

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:
July 2001

Gray Davis
Governor
State of California

Mary D. Nichols
Secretary for Resources
The Resources Agency

Thomas M. Hannigan
Director
Department of Water Resource

State of California
GRAY DAVIS, Governor

The Resources Agency
MARY D. NICHOLS, Secretary for Resources

Department of Water Resources
THOMAS M. HANNIGAN, Director

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The organization shown above represents staff and positions relevant to this report as of publication date on January 30, 2002. It is the department's policy to not show staff in "Acting" or "Temporary" positions.

Table of Contents

| | Page |
|--|-------------|
| Organization Page..... | ii |
| Table of Contents..... | iii |
| Monthly Highlights | 1 |
| Oroville Field Division Water Operations | |
| Table | Page |
| 1 Antelope Lake, Daily Operation | 2 |
| 2 Frenchman Lake, Daily Operation | 3 |
| 3 Lake Davis, Daily Operation | 4 |
| 4 Lake Oroville, Daily Operation | 5 |
| 5 Thermalito Forebay, Including Diversion Pool and Power Canal, Daily Operation | 6 |
| 6 Thermalito Afterbay, Daily Operation..... | 7 |
| 7 Oroville-Thermalito Complex, Water Temperature Data | 8 |
| Delta Field Division Water Operations | |
| 8 Aqueduct Operation, Delta Field Division | 9 |
| 9 Delta Field Division Plant Data | 10 |
| 10 Clifton Court Forebay, Daily Operation of Gates..... | 11 |
| 11 Governor Edmund G. Brown California Aqueduct, Delta Field Division, Monthly Deliveries | 12 |
| 12 South Bay Aqueduct, Delta Field Division, Monthly Deliveries..... | 13 |
| 13 Lake Del Valle, Daily Operation..... | 14 |
| San Luis Field Division Water Operations | |
| 14 Consolidated State-Federal O'Neill Forebay, Daily Operations..... | 15 |
| 15 Consolidated State-Federal San Luis Reservoir, Daily Operations | 16 |
| 16 San Luis Field Division Plant Data..... | 17 |
| 17 Consolidated State-Federal Los Banos Reservoir, Daily Operations | 18 |
| 18 Consolidated State-Federal Little Panoche Reservoir, Daily Operations..... | 19 |
| 19 Governor Edmund G. Brown California Aqueduct, San Luis Field Division, Monthly Deliveries | 20 |
| 20 Consolidated State-Federal San Luis Canal, Daily Operations | 22 |
| San Joaquin Field Division Water Operations | |
| 21 San Joaquin Field Division Plant Data..... | 23 |
| 22 Governor Edmund G. Brown California Aqueduct, San Joaquin Field Division, Monthly Deliveries | 24 |

| Table | | Page |
|-------|---|------|
| 23 | Governor Edmund G. Brown California Aqueduct, San Joaquin Field Division, Monthly Deliveries (Coastal Branch) | 27 |
| | Southern Field Division Water Operations | |
| 24 | Southern Field Division Plant Data | 28 |
| 25 | Pyramid Lake, Daily Operation..... | 29 |
| 26 | Elderberry Forebay, Daily Operation..... | 30 |
| 27 | Castaic Lake, Daily Operation | 31 |
| 28 | Governor Edmund G. Brown California Aqueduct, Southern Field Division, | |
| | Monthly Deliveries (West Branch)..... | 32 |
| 29 | Silverwood Lake, Daily Operation..... | 33 |
| 30 | Lake Perris, Daily Operation..... | 34 |
| 31 | Governor Edmund G. Brown California Aqueduct, Southern Field Division, | |
| | Monthly Deliveries (East Branch)..... | 35 |
| | Water Quality Operations | |
| 32 | Water Quality at Selected SWP Locations | 37 |
| 33 | Water Quality at Selected Delta Stations..... | 38 |
| 34 | Pesticides, Herbicides, and Other Organic Substances Detected in the SWP..... | 39 |
| | Energy Operations | |
| 35 | Oroville and Delta Field Divisions Energy Data..... | 40 |
| 36 | San Luis Field Division Energy Data..... | 41 |
| 37 | San Joaquin Field Division Pumping Plant Energy Load Data | 42 |
| 38 | Southern Field Division Energy Data | 43 |

MONTHLY HIGHLIGHTS

The following highlights are activities or actions that impacted State Water Project operations during the month of July 2001.

Statewide precipitation was 75 percent of average for the 2000-2001 water year as of July 31. Statewide runoff was 45 percent of average for the water year. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available via the Internet at: "http://cdec.water.ca.gov/snow_rain.html".

On July 31, total storage in major SWP reservoirs was about 2.90 MAF, compared to 3.46 MAF at this time in 2000. The average storage in the major SWP reservoirs at the end of July is about 3.76 MAF. The July 31 storage at Lake Oroville was about 1.73 MAF as compared to 2.41 MAF last year. Precipitation in the Feather River Basin was much lower than average. The State's share of San Luis Reservoir storage was about 549 TAF, as compared with 402 TAF at this time last year. On July 31, the combined storage in our southern reservoirs was about 618 TAF, compared with about 648 TAF at this time last year.

Through July, SWP water deliveries for 2001 were about 1,214,500 AF. This is a combination of project, transfer, and exchange waters. This is 795,300 AF less than delivered during the same period in 2000.

Temperature control on the low-flow channel of the Feather River became a concern early in the month. High temperatures quickly warmed the water exceeding, on July 2, the 65.0 degree Fahrenheit objective, set forth in the National Marine Fishery Service's biological opinion for spring-run Chinook salmon and steelhead. Hyatt's number one shutter configuration was changed in an attempt to release cooler water. This action did not bring about the desired result quickly so an additional 100 cfs was released through the Diversion Dam (and a similar amount reduced from the Afterbay Outlet). Increasing the flow down the low-flow channel resulted in a reduction in temperature at the compliance point at Robinson Riffle.

The Project facilitated a number of water transfers and wheeling agreements at Banks Pumping Plant in July. These transfers included about 50 TAF of water from the Yuba River system to the Environmental Water Account and about 20 TAF to the Dry Year Program for the State Water Contractors. An additional 36 TAF was pumped for the Central Valley Project and its contractors from Central Valley Project settlement contractors on the Sacramento River. Approximately 18 TAF was wheeled for the Cross Valley Canal contractors under their long-term contract with the State.

The repair of a leak at Mile 4.25 was completed on July 3, 2001. The leak was discovered on June 5, 2001 between Banks Pumping Plant and Bethany Reservoir. The leak, estimated at approximately 2 cfs, was located 29 feet under water. Repair crews controlled the leak by pumping approximately 55 cubic yards of concrete through the lining. Around the clock repairs were initiated to fix the leak and included construction of two 30-foot high cofferdams on either side of the leak. No water flowed down the California Aqueduct from June 6 through July 3.

Table 1. Antelope Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

July 2001

| Date | Water Surface Elevation (in feet) | Storage | Storage Change | Outflow in cfs | | | | | | Computed Inflow 1/ | |
|---|--------------------------------------|---------|----------------|--------------------|-----------------------|-------------|-------|---|---------------------|-----------------------|--|
| | | | | Regulated Release | | | Spill | Estimated Evaporation And Seepage 1/ | Total Outflow 1/ | | |
| | | | | Stream-flow Maint. | Water Supply Contract | Water Right | | | | | |
| Jun 30 | 4995.83 | 17,236 | | | | | | | | | |
| 1 | 4995.81 | 17,221 | -15 | 5 | 0 | 0 | 0 | | | | |
| 2 | 4995.77 | 17,189 | -32 | 5 | 0 | 0 | 0 | | | | |
| 3 | 4995.73 | 17,157 | -32 | 5 | 0 | 0 | 0 | | | | |
| 4 | 4995.69 | 17,125 | -32 | 5 | 0 | 0 | 0 | | | | |
| 5 | 4995.64 | 17,086 | -39 | 5 | 0 | 0 | 0 | | | | |
| 6 | 4995.58 | 17,038 | -48 | 5 | 0 | 0 | 0 | | | | |
| 7 | 4995.54 | 17,007 | -31 | 5 | 0 | 0 | 0 | | | | |
| 8 | 4995.52 | 16,991 | -16 | 5 | 0 | 0 | 0 | | | | |
| 9 | 4995.47 | 16,952 | -39 | 5 | 0 | 0 | 0 | | | | |
| 10 | 4995.46 | 16,944 | -8 | 5 | 0 | 0 | 0 | | | | |
| 11 | 4995.43 | 16,920 | -24 | 5 | 0 | 0 | 0 | | | | |
| 12 | 4995.38 | 16,881 | -39 | 5 | 0 | 0 | 0 | | | | |
| 13 | 4995.35 | 16,857 | -24 | 5 | 0 | 0 | 0 | | | | |
| 14 | 4995.32 | 16,834 | -23 | 5 | 0 | 0 | 0 | | | | |
| 15 | 4995.26 | 16,787 | -47 | 5 | 0 | 0 | 0 | | | | |
| 16 | 4995.20 | 16,740 | -47 | 5 | 0 | 0 | 0 | | | | |
| 17 | 4995.16 | 16,709 | -31 | 5 | 0 | 0 | 0 | | | | |
| 18 | 4995.12 | 16,677 | -32 | 5 | 0 | 0 | 0 | | | | |
| 19 | 4995.07 | 16,638 | -39 | 5 | 0 | 0 | 0 | | | | |
| 20 | 4995.02 | 16,599 | -39 | 5 | 0 | 0 | 0 | | | | |
| 21 | 4994.98 | 16,568 | -31 | 5 | 0 | 0 | 0 | | | | |
| 22 | 4994.93 | 16,530 | -38 | 5 | 0 | 0 | 0 | | | | |
| 23 | 4994.89 | 16,499 | -31 | 5 | 0 | 0 | 0 | | | | |
| 24 | 4994.86 | 16,475 | -24 | 5 | 0 | 0 | 0 | | | | |
| 25 | 4994.84 | 16,460 | -15 | 5 | 0 | 0 | 0 | | | | |
| 26 | 4994.77e | 16,406 | -54 | 5 | 0 | 0 | 0 | | | | |
| 27 | 4994.72e | 16,367 | -39 | 5 | 0 | 0 | 0 | | | | |
| 28 | 4994.67e | 16,329 | -38 | 5 | 0 | 0 | 0 | | | | |
| 29 | 4994.62e | 16,290 | -39 | 5 | 0 | 0 | 0 | | | | |
| 30 | 4994.57e | 16,252 | -38 | 5 | 0 | 0 | 0 | | | | |
| 31 | 4994.52e | 16,214 | -38 | 5 | 0 | 0 | 0 | | | | |
| Total cfs-days | | | | --- | 155 | 0 | 0 | 0 | 378 | 533 | |
| Total ac-ft | | | | -1,022 | 307 | 0 | 0 | 0 | 749 | 1,056 | |
| 1/ Values not available on a daily basis. | | | | | | | | | | | |

Table 2. Frenchman Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 55,477 ac-ft

July 2001

| Date | Water Surface Elevation (in feet) | Storage | Storage Change | Outflow in cfs | | | | | Computed Inflow 1/ | |
|----------------|-----------------------------------|---------|----------------|--------------------|-----------------------|-------------|-------|--------------------------------------|--------------------|--|
| | | | | Regulated Release | | | Spill | Estimated Evaporation And Seepage 1/ | | |
| | | | | Stream-flow Maint. | Water Supply Contract | Water Right | | | | |
| Jun 30 | 5572.76 | 34,514 | | | | | | | | |
| 1 | 5572.69 | 34,432 | -82 | 0 | 34 | 0 | 0 | | | |
| 2 | 5572.63 | 34,361 | -71 | 0 | 31 | 0 | 0 | | | |
| 3 | 5572.59 | 34,315 | -46 | 0 | 27 | 0 | 0 | | | |
| 4 | 5572.51 | 34,221 | -94 | 0 | 26 | 0 | 0 | | | |
| 5 | 5572.47 | 34,174 | -47 | 0 | 26 | 0 | 0 | | | |
| 6 | 5572.41 | 34,104 | -70 | 0 | 26 | 0 | 0 | | | |
| 7 | 5572.34 | 34,023 | -81 | 0 | 26 | 0 | 0 | | | |
| 8 | 5572.30 | 33,976 | -47 | 0 | 26 | 0 | 0 | | | |
| 9 | 5572.22 | 33,883 | -93 | 0 | 25 | 0 | 0 | | | |
| 10 | 5572.21 | 33,871 | -12 | 0 | 20 | 0 | 0 | | | |
| 11 | 5572.16 | 33,813 | -58 | 0 | 17 | 0 | 0 | | | |
| 12 | 5572.11 | 33,755 | -58 | 0 | 17 | 0 | 0 | | | |
| 13 | 5572.06 | 33,697 | -58 | 0 | 13 | 0 | 0 | | | |
| 14 | 5572.03 | 33,663 | -34 | 0 | 11 | 0 | 0 | | | |
| 15 | 5571.96 | 33,582 | -81 | 0 | 11 | 0 | 0 | | | |
| 16 | 5571.87 | 33,478 | -104 | 0 | 20 | 0 | 0 | | | |
| 17 | 5571.81 | 33,409 | -69 | 0 | 25 | 0 | 0 | | | |
| 18 | 5571.78 | 33,374 | -35 | 0 | 25 | 0 | 0 | | | |
| 19 | 5571.72 | 33,305 | -69 | 0 | 18 | 0 | 0 | | | |
| 20 | 5571.66 | 33,237 | -68 | 0 | 16 | 0 | 0 | | | |
| 21 | 5571.61 | 33,179 | -58 | 0 | 16 | 0 | 0 | | | |
| 22 | 5571.50 | 33,054 | -125 | 0 | 16 | 0 | 0 | | | |
| 23 | 5571.45 | 32,996 | -58 | 0 | 20 | 0 | 0 | | | |
| 24 | 5571.39 | 32,928 | -68 | 0 | 22 | 0 | 0 | | | |
| 25 | 5571.33 | 32,860 | -68 | 0 | 25 | 0 | 0 | | | |
| 26 | 5571.26 | 32,780 | -80 | 0 | 30 | 0 | 0 | | | |
| 27 | 5571.18 | 32,689 | -91 | 0 | 47 | 0 | 0 | | | |
| 28 | 5571.02 | 32,508 | -181 | 0 | 55 | 0 | 0 | | | |
| 29 | 5570.90 | 32,373 | -135 | 0 | 55 | 0 | 0 | | | |
| 30 | 5570.80 | 32,260 | -113 | 0 | 55 | 0 | 0 | | | |
| 31 | 5570.68 | 32,126 | -134 | 0 | 55 | 0 | 0 | | | |
| Total cfs-days | | | | - - - | 0 | 836 | 0 | 0 | 399 | |
| Total ac-ft | | | | -2,388 | 0 | 1,658 | 0 | 0 | 792 | |
| | | | | | | | | | 2,450 | |
| | | | | | | | | | 62 | |

1/ Values not available on a daily basis.

Table 3. Lake Davis

Daily Operation
(in acre-feet except as noted)

Capacity: 84,371 ac-ft

July 2001

| Date | Water Surface Elevation (in feet) | Storage | Storage Change | Outflow in cfs | | | | | | Computed Inflow 1/ | |
|----------------|-----------------------------------|---------|----------------|--------------------|-----------------------|-------------|-------|--------------------------------------|------------------|--------------------|--|
| | | | | Regulated Release | | | Spill | Estimated Evaporation And Seepage 1/ | Total Outflow 1/ | | |
| | | | | Stream-flow Maint. | Water Supply Contract | Water Right | | | | | |
| Jun 30 | 5766.02 | 52,380 | | | | | | | | | |
| 1 | 5766.00 | 52,318 | -62 | 5 | 0 | 5 | 0 | | | | |
| 2 | 5765.99 | 52,287 | -31 | 5 | 0 | 5 | 0 | | | | |
| 3 | 5765.98 | 52,256 | -31 | 6 | 0 | 4 | 0 | | | | |
| 4 | 5765.97 | 52,225 | -31 | 6 | 0 | 4 | 0 | | | | |
| 5 | 5765.94 | 52,133 | -92 | 6 | 0 | 4 | 0 | | | | |
| 6 | 5765.90 | 52,010 | -123 | 6 | 0 | 4 | 0 | | | | |
| 7 | 5765.88 | 51,947 | -63 | 6 | 0 | 4 | 0 | | | | |
| 8 | 5765.85 | 51,857 | -90 | 5 | 0 | 6 | 0 | | | | |
| 9 | 5765.84 | 51,826 | -31 | 4 | 0 | 6 | 0 | | | | |
| 10 | 5765.84 | 51,826 | 0 | 4 | 0 | 6 | 0 | | | | |
| 11 | 5765.82 | 51,764 | -62 | 4 | 0 | 6 | 0 | | | | |
| 12 | 5765.80 | 51,703 | -61 | 4 | 0 | 6 | 0 | | | | |
| 13 | 5765.77 | 51,611 | -92 | 4 | 0 | 6 | 0 | | | | |
| 14 | 5765.74 | 51,520 | -91 | 4 | 0 | 6 | 0 | | | | |
| 15 | 5765.69 | 51,367 | -153 | 4 | 0 | 6 | 0 | | | | |
| 16 | 5765.66 | 51,276 | -91 | 4 | 0 | 6 | 0 | | | | |
| 17 | 5765.63 | 51,184 | -92 | 4 | 0 | 6 | 0 | | | | |
| 18 | 5765.60 | 51,093 | -91 | 4 | 0 | 6 | 0 | | | | |
| 19 | 5765.58 | 51,032 | -61 | 4 | 0 | 6 | 0 | | | | |
| 20 | 5765.54 | 50,911 | -121 | 4 | 0 | 6 | 0 | | | | |
| 21 | 5765.52 | 50,850 | -61 | 4 | 0 | 6 | 0 | | | | |
| 22 | 5765.50 | 50,789 | -61 | 4 | 0 | 6 | 0 | | | | |
| 23 | 5765.48 | 50,729 | -60 | 4 | 0 | 6 | 0 | | | | |
| 24 | 5765.47 | 50,699 | -30 | 4 | 0 | 6 | 0 | | | | |
| 25 | 5765.45 | 50,638 | -61 | 4 | 0 | 6 | 0 | | | | |
| 26 | 5765.42 | 50,547 | -91 | 4 | 0 | 6 | 0 | | | | |
| 27 | 5765.38 | 50,427 | -120 | 4 | 0 | 6 | 0 | | | | |
| 28 | 5765.32 | 50,246 | -181 | 4 | 0 | 6 | 0 | | | | |
| 29 | 5765.27 | 50,096 | -150 | 4 | 0 | 6 | 0 | | | | |
| 30 | 5765.23 | 49,975 | -121 | 4 | 0 | 6 | 0 | | | | |
| 31 | 5765.22 | 49,945 | -30 | 4 | 0 | 6 | 0 | | | | |
| Total cfs-days | | | | --- | 137 | 0 | 173 | 0 | 930 | 1,240 | |
| Total ac-ft | | | | -2,435 | 272 | 0 | 343 | 0 | 1,844 | 2,459 | |

1/ Values not available on a daily basis.

Table 4. Lake Oroville

Daily Operation
(in acre-feet except as noted)

Capacity: 3,537, 580 ac-ft

July 2001

| Date | Water Surface Elevation (in feet) | Storage | Storage Change | Outflow | | | | | Inflow | |
|--------|-----------------------------------|-----------|----------------|--------------------------------|---------------|----------------|-------|---------------|---------------------------|--------------------|
| | | | | Hyatt Powerplant Generation 1/ | Palermo Canal | Evaporation 2/ | Spill | Total Outflow | Hyatt Powerplant Pumpback | Computed Inflow 3/ |
| Jun 30 | 774.60 | 1,918,274 | | | | | | | | |
| | 1 | 774.54 | 1,917,659 | -615 | 2,553 | 33 | 300 | 0 | 2,886 | 0 |
| | 2 | 774.06 | 1,912,741 | -4,918 | 8,573 | 33 | 344 | 0 | 8,950 | 0 |
| | 3 | 773.29 | 1,904,872 | -7,869 | 11,969 | 33 | 391 | 0 | 12,393 | 0 |
| | 4 | 772.75 | 1,899,368 | -5,504 | 8,166 | 33 | 316 | 0 | 8,515 | 0 |
| | 5 | 771.72 | 1,888,901 | -10,467 | 13,784 | 34 | 198 | 0 | 14,016 | 0 |
| | 6 | 770.80 | 1,879,587 | -9,314 | 13,121 | 34 | 326 | 0 | 13,481 | 0 |
| | 7 | 770.48 | 1,876,355 | -3,232 | 5,875 | 34 | 283 | 0 | 6,192 | 0 |
| | 8 | 770.49 | 1,876,456 | 101 | 1,869 | 34 | 289 | 0 | 2,192 | 0 |
| | 9 | 769.70 | 1,868,490 | -7,966 | 10,692 | 34 | 269 | 0 | 10,995 | 0 |
| | 10 | 769.30 | 1,864,467 | -4,023 | 5,920 | 34 | 250 | 0 | 6,204 | 0 |
| | 11 | 768.79 | 1,859,347 | -5,120 | 9,443 | 34 | 237 | 0 | 9,714 | 15 |
| | 12 | 768.04 | 1,851,836 | -7,511 | 11,385 | 34 | 225 | 0 | 11,644 | 1,130 |
| | 13 | 767.49 | 1,846,342 | -5,494 | 11,786 | 34 | 200 | 0 | 12,020 | 1,860 |
| | 14 | 767.49 | 1,846,342 | 0 | 2,273 | 34 | 261 | 0 | 2,568 | 0 |
| | 15 | 767.43 | 1,845,744 | -598 | 2,693 | 34 | 206 | 0 | 2,933 | 0 |
| | 16 | 766.54 | 1,836,881 | -8,863 | 9,997 | 34 | 224 | 0 | 10,255 | 0 |
| | 17 | 765.77 | 1,829,237 | -7,644 | 10,672 | 34 | 200 | 0 | 10,906 | 0 |
| | 18 | 764.75 | 1,819,148 | -10,089 | 12,387 | 34 | 218 | 0 | 12,639 | 0 |
| | 19 | 763.57 | 1,807,526 | -11,622 | 14,314 | 34 | 222 | 0 | 14,570 | 0 |
| | 20 | 762.81 | 1,800,068 | -7,458 | 10,346 | 34 | 226 | 0 | 10,606 | 0 |
| | 21 | 762.25 | 1,794,588 | -5,480 | 7,604 | 34 | 214 | 0 | 7,852 | 0 |
| | 22 | 762.36 | 1,795,663 | 1,075 | 1,367 | 34 | 208 | 0 | 1,609 | 0 |
| | 23 | 761.48 | 1,787,072 | -8,591 | 10,476 | 34 | 237 | 0 | 10,747 | 0 |
| | 24 | 760.98 | 1,782,203 | -4,869 | 9,553 | 34 | 255 | 0 | 9,842 | 0 |
| | 25 | 760.98 | 1,773,465 | -8,738 | 12,157 | 34 | 231 | 0 | 12,422 | 998 |
| | 26 | 758.96 | 1,762,623 | -10,842 | 14,032 | 34 | 224 | 0 | 14,290 | 959 |
| | 27 | 757.91 | 1,752,499 | -10,124 | 14,061 | 34 | 235 | 0 | 14,330 | 958 |
| | 28 | 757.88 | 1,752,210 | -289 | 3,184 | 34 | 287 | 0 | 3,505 | 0 |
| | 29 | 757.78 | 1,751,248 | -962 | 2,695 | 34 | 252 | 0 | 2,981 | 0 |
| | 30 | 756.82 | 1,742,033 | -9,215 | 11,040 | 34 | 257 | 0 | 11,331 | 0 |
| | 31 | 755.66 | 1,730,944 | -11,089 | 13,942 | 34 | 210 | 0 | 14,186 | 8 |
| Total | | | | -187,330 | 277,929 | 1,050 | 7,795 | 0 | 286,774 | 5,928 |
| 93,516 | | | | | | | | | | |

1/ Includes bypass flows

2/ Evaporation will be zero for days when there is precipitation or heavy overcast.

3/ Does not include pumpback.

**Table 5. Thermalito Forebay
Including Diversion Pool and Power Canal**

Capacity: 25,120 ac-ft

Daily Operation
(in acre-feet except as noted)

July 2001

| Date | Storage 1/ | Storage Change | Inflow | | | Outflow | | | | | Losses (-) And Gains (+) |
|--------|---------------|-------------------|------------------------------------|------------------------------|--|--|-----------------|--------------------------------------|-------------------------------|---------------------------------|--------------------------------|
| | | | Lake Oroville Releases 2/ | Kelly Ridge Generation | Thermalito Pumping- Generating Plant Pumpback | Thermalito Pumping- Generating Plant Generation 3/ | Butte County | Thermalito Irrigation District | Releases To River 4/ | Hyatt Powerplant Pumpback | |
| Jun 30 | 24,343 | | | | | | | | | | |
| 1 | 23,984 | -359 | 2,553 | 505 | 0 | 2,089 | 0 | 13 | 1,267 | 0 | -48 |
| 2 | 23,606 | -378 | 8,573 | 454 | 0 | 8,206 | 0 | 13 | 1,265 | 0 | 79 |
| 3 | 23,839 | 233 | 11,969 | 450 | 0 | 10,895 | 0 | 13 | 1,397 | 0 | 119 |
| 4 | 23,833 | -6 | 8,166 | 474 | 0 | 7,235 | 0 | 13 | 1,470 | 0 | 72 |
| 5 | 23,504 | -329 | 13,784 | 498 | 0 | 13,359 | 0 | 13 | 1,474 | 0 | 235 |
| 6 | 23,591 | 87 | 13,121 | 500 | 0 | 12,120 | 0 | 13 | 1,461 | 0 | 60 |
| 7 | 23,897 | 306 | 5,875 | 508 | 0 | 4,648 | 0 | 13 | 1,469 | 0 | 53 |
| 8 | 23,897 | 0 | 1,869 | 508 | 34 | 832 | 0 | 13 | 1,475 | 0 | -91 |
| 9 | 23,987 | 90 | 10,692 | 500 | 0 | 9,797 | 0 | 13 | 1,470 | 0 | 178 |
| 10 | 23,769 | -218 | 5,920 | 472 | 0 | 5,180 | 1 | 13 | 1,470 | 0 | 54 |
| 11 | 23,844 | 75 | 9,443 | 505 | 0 | 8,546 | 1 | 13 | 1,470 | 15 | 172 |
| 12 | 23,580 | -264 | 11,385 | 514 | 1,597 | 11,124 | 1 | 13 | 1,472 | 1,130 | -20 |
| 13 | 23,573 | -7 | 11,786 | 415 | 1,226 | 10,434 | 1 | 13 | 1,473 | 1,860 | 347 |
| 14 | 24,773 | 1,200 | 2,273 | 512 | 0 | 105 | 1 | 13 | 1,479 | 0 | 13 |
| 15 | 23,773 | -1,000 | 2,693 | 502 | 0 | 2,767 | 1 | 13 | 1,480 | 0 | 66 |
| 16 | 23,809 | 36 | 9,997 | 508 | 0 | 9,066 | 1 | 13 | 1,479 | 0 | 90 |
| 17 | 23,406 | -403 | 10,672 | 565 | 0 | 10,195 | 1 | 13 | 1,479 | 0 | 48 |
| 18 | 23,721 | 315 | 12,387 | 444 | 0 | 11,293 | 1 | 13 | 1,477 | 0 | 268 |
| 19 | 23,749 | 28 | 14,314 | 512 | 0 | 13,612 | 1 | 13 | 1,349 | 0 | 177 |
| 20 | 23,627 | -122 | 10,346 | 506 | 0 | 9,798 | 1 | 13 | 1,263 | 0 | 101 |
| 21 | 24,153 | 526 | 7,604 | 510 | 0 | 6,419 | 1 | 14 | 1,279 | 0 | 125 |
| 22 | 23,513 | -640 | 1,367 | 504 | 0 | 1,346 | 1 | 14 | 1,296 | 0 | 146 |
| 23 | 23,902 | 389 | 10,476 | 512 | 0 | 9,402 | 1 | 14 | 1,297 | 0 | 115 |
| 24 | 23,624 | -278 | 9,553 | 500 | 0 | 9,036 | 1 | 14 | 1,497 | 0 | 217 |
| 25 | 23,315 | -309 | 12,157 | 510 | 1,333 | 12,077 | 1 | 14 | 1,497 | 998 | 278 |
| 26 | 23,874 | 559 | 14,032 | 510 | 1,309 | 12,934 | 1 | 14 | 1,501 | 959 | 117 |
| 27 | 23,658 | -216 | 14,061 | 506 | 1,315 | 14,229 | 1 | 14 | 1,499 | 958 | 603 |
| 28 | 24,100 | 442 | 3,184 | 514 | 0 | 1,765 | 1 | 14 | 1,489 | 0 | 13 |
| 29 | 24,182 | 82 | 2,695 | 496 | 0 | 1,620 | 1 | 14 | 1,497 | 0 | 23 |
| 30 | 23,549 | -633 | 11,040 | 510 | 0 | 10,892 | 1 | 14 | 1,501 | 0 | 225 |
| 31 | 24,460 | 911 | 13,942 | 506 | 0 | 12,789 | 1 | 14 | 1,398 | 8 | 673 |
| Total | | 117 | 277,929 | 15,430 | 6,814 | 253,810 | 22 | 414 | 44,390 | 5,928 | 4,508 |

1/ Sum of Thermalito Forebay and Diversion Pool.

2/ Sum of releases from Lake Oroville through Hyatt plant, spill, and spillway leakage.

3/ Includes Bypass flows at Thermalito.

4/ The sum of the flows from fish barrier dam and the fish hatchery.

Table 6. Thermalito Afterbay

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

July 2001

| Date | Water Surface Elevation (in feet) | Storage | Storage Change | Inflow | | Outflow | | | | | Losses (-) and Gains (+) | Total Releases to River 2/ | |
|--------|-----------------------------------|---------|----------------|---|--------------------|-----------------------|----------------|---------------|-----------------------|--|--------------------------|----------------------------|---------|
| | | | | Thermalito Pumping-Generating Plant Generation 1/ | Sutter Butte Canal | Western Canal Lateral | Richvale Canal | Western Canal | Afterbay River Outlet | Thermalito Pumping-Generating Plant Pumpback | | | |
| Jun 30 | 130.44 | 33,629 | | | | | | | | | | | |
| 1 | 128.63 | 27,751 | -5,878 | 2,089 | 2,857 | 31 | 800 | 1,530 | 2,539 | 0 | -210 | 3,806 | |
| 2 | 128.71 | 28,000 | 249 | 8,206 | 2,857 | 31 | 800 | 1,555 | 2,559 | 0 | -155 | 3,824 | |
| 3 | 129.59 | 30,802 | 2,802 | 10,895 | 2,857 | 31 | 801 | 1,615 | 2,420 | 0 | -369 | 3,817 | |
| 4 | 129.40 | 30,187 | -615 | 7,235 | 2,837 | 31 | 821 | 1,630 | 2,340 | 0 | -191 | 3,810 | |
| 5 | 131.01 | 35,590 | 5,403 | 13,359 | 2,856 | 31 | 833 | 1,607 | 2,340 | 0 | -289 | 3,814 | |
| 6 | 132.20 | 39,852 | 4,262 | 12,120 | 2,896 | 31 | 831 | 1,581 | 2,340 | 0 | -179 | 3,801 | |
| 7 | 131.23 | 36,361 | -3,491 | 4,648 | 2,916 | 33 | 831 | 1,581 | 2,340 | 0 | -438 | 3,809 | |
| 8 | 129.22 | 29,609 | -6,752 | 832 | 2,896 | 33 | 831 | 1,583 | 2,340 | 34 | 133 | 3,815 | |
| 9 | 129.74 | 31,293 | 1,684 | 9,797 | 2,916 | 32 | 819 | 1,615 | 2,340 | 0 | -391 | 3,810 | |
| 10 | 128.90 | 28,594 | -2,699 | 5,180 | 2,916 | 30 | 813 | 1,688 | 2,340 | 0 | -92 | 3,810 | |
| 11 | 129.00 | 28,909 | 315 | 8,546 | 2,916 | 30 | 813 | 1,771 | 2,341 | 0 | -360 | 3,811 | |
| 12 | 129.42 | 30,251 | 1,342 | 11,124 | 2,916 | 30 | 813 | 1,783 | 2,360 | 1,597 | -283 | 3,832 | |
| 13 | 129.72 | 31,227 | 976 | 10,434 | 2,916 | 30 | 813 | 1,811 | 2,341 | 1,226 | -321 | 3,814 | |
| 14 | 127.18 | 23,430 | -7,797 | 105 | 2,936 | 30 | 811 | 1,805 | 2,341 | 0 | 21 | 3,820 | |
| 15 | 125.25 | 18,213 | -5,217 | 2,767 | 2,896 | 30 | 811 | 1,783 | 2,341 | 0 | -123 | 3,821 | |
| 16 | 125.64 | 19,220 | 1,007 | 9,066 | 2,836 | 30 | 811 | 1,724 | 2,341 | 0 | -317 | 3,820 | |
| 17 | 126.38 | 21,196 | 1,976 | 10,195 | 2,876 | 30 | 813 | 1,686 | 2,341 | 0 | -473 | 3,820 | |
| 18 | 127.47 | 24,266 | 3,070 | 11,293 | 2,876 | 30 | 813 | 1,686 | 2,341 | 0 | -477 | 3,818 | |
| 19 | 129.25 | 29,704 | 5,438 | 13,612 | 2,876 | 30 | 813 | 1,686 | 2,479 | 0 | -290 | 3,828 | |
| 20 | 129.74 | 31,293 | 1,589 | 9,798 | 2,876 | 30 | 813 | 1,690 | 2,559 | 0 | -241 | 3,822 | |
| 21 | 129.16 | 29,417 | -1,876 | 6,419 | 2,876 | 28 | 813 | 1,666 | 2,559 | 0 | -353 | 3,838 | |
| 22 | 126.97 | 22,833 | -6,584 | 1,346 | 2,876 | 28 | 813 | 1,646 | 2,539 | 0 | -28 | 3,835 | |
| 23 | 127.28 | 23,717 | 884 | 9,402 | 2,876 | 28 | 813 | 1,664 | 2,559 | 0 | -578 | 3,856 | |
| 24 | 127.67 | 24,851 | 1,134 | 9,036 | 2,896 | 30 | 813 | 1,706 | 2,341 | 0 | -116 | 3,838 | |
| 25 | 128.49 | 27,319 | 2,468 | 12,077 | 2,916 | 30 | 813 | 1,736 | 2,341 | 1,333 | -440 | 3,838 | |
| 26 | 129.56 | 30,705 | 3,386 | 12,934 | 2,916 | 30 | 815 | 1,708 | 2,341 | 1,309 | -429 | 3,842 | |
| 27 | 130.93 | 35,312 | 4,607 | 14,229 | 2,916 | 30 | 801 | 1,666 | 2,341 | 1,315 | -553 | 3,840 | |
| 28 | 129.09 | 29,194 | -6,118 | 1,765 | 2,896 | 30 | 793 | 1,636 | 2,341 | 0 | -187 | 3,830 | |
| 29 | 127.09 | 23,173 | -6,021 | 1,620 | 2,896 | 30 | 780 | 1,638 | 2,341 | 0 | 44 | 3,838 | |
| 30 | 128.20 | 26,433 | 3,260 | 10,892 | 2,876 | 30 | 724 | 1,611 | 2,341 | 0 | -50 | 3,842 | |
| 31 | 129.30 | 29,865 | 3,432 | 12,789 | 2,876 | 30 | 688 | 1,583 | 3,193 | 0 | -987 | 4,591 | |
| Total | | | | -3,764 | 253,810 | 89,540 | 938 | 24,970 | 51,670 | 74,920 | 6,814 | -8,722 | 119,310 |

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

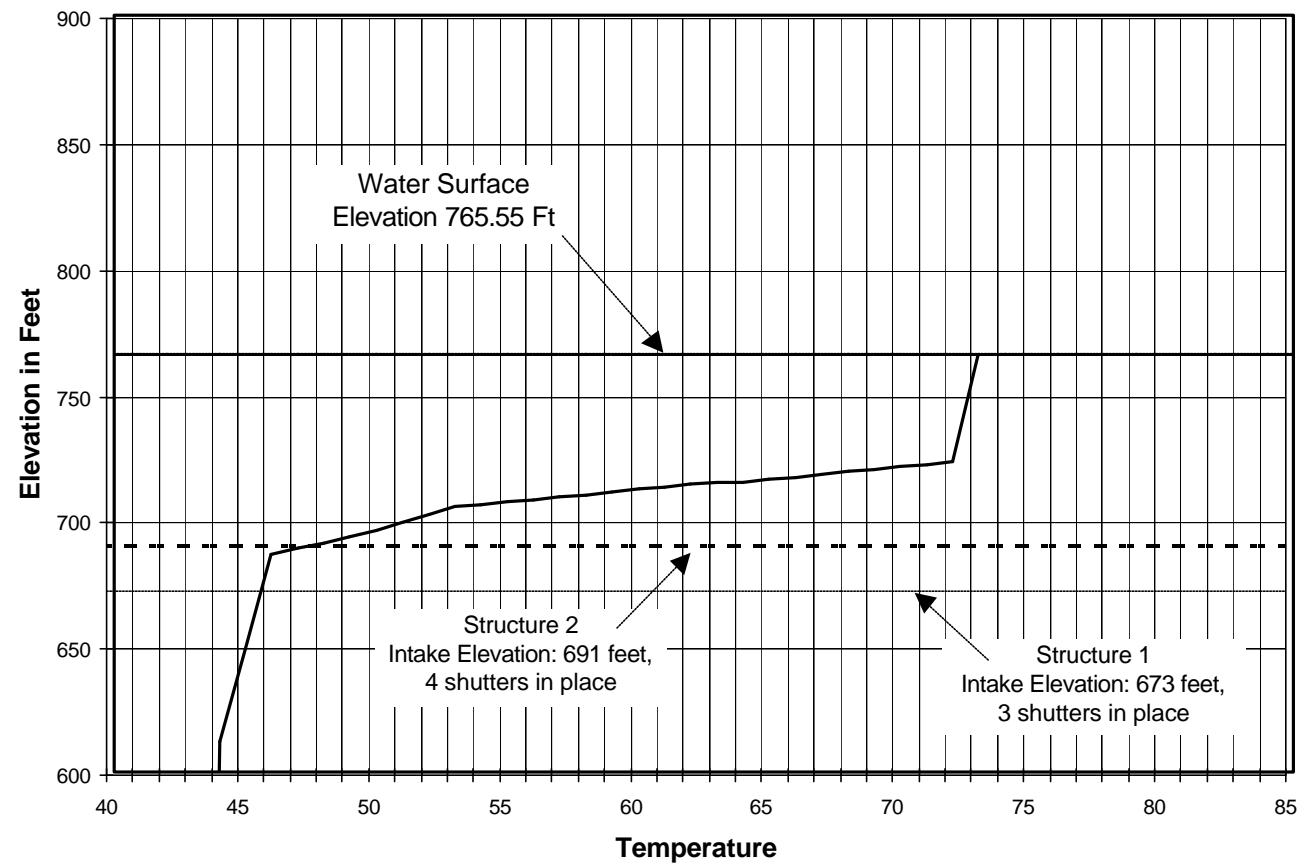
Table 7. Oroville-Thermalito Complex

Water Temperature Data

(in degrees Fahrenheit)

July 2001

| Date | Mean Daily Temperature | |
|------|----------------------------------|------------------|
| | Thermalito Afterbay Outlet | Fish Hatchery |
| 1 | 69 | 60 |
| 2 | 72 | 60 |
| 3 | 71 | 58 |
| 4 | 69 | 57 |
| 5 | 69 | 57 |
| 6 | 68 | 57 |
| 7 | 68 | 57 |
| 8 | 69 | 57 |
| 9 | 70 | 58 |
| 10 | 70 | 58 |
| 11 | 69 | 58 |
| 12 | 70 | 58 |
| 13 | 71 | 59 |
| 14 | 70 | 59 |
| 15 | 70 | 59 |
| 16 | 69 | 59 |
| 17 | 69 | 57 |
| 18 | 69 | 57 |
| 19 | 68 | 57 |
| 20 | 66 | 58 |
| 21 | 66 | 58 |
| 22 | 69 | 59 |
| 23 | 70 | 58 |
| 24 | 70 | 59 |
| 25 | 70 | 59 |
| 26 | 70 | 57 |
| 27 | 70 | 57 |
| 28 | 69 | 57 |
| 29 | 69 | 57 |
| 30 | 69 | 58 |
| 31 | 69 | 58 |

**Lake Oroville Temperature Profile
on July 18, 2001**

Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

Table 8. North Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

July 2001

| Reach No. | Operating Pool | | | Turnout | Total Diversions | Deliveries | | | | | |
|-----------|----------------------|---|-------|---|------------------|-------------|---------|---------------|-------------------|--|--|
| | Beginning and Ending | | | | | Entitlement | | Solano Permit | Dry Year Purchase | | |
| | No. | Structure | Mile | | | M & I | Benicia | Vallejo | Solano | | |
| 1 | 1 | Barker Slough Pumping Plant | 0.17 | (Into the North Bay Aqueduct) | 6,376 | 491 | 1,824 | 444 | 444 | | |
| | | Travis Surge Tank | 8.78 | | | | | | | | |
| | | | 8.80 | Solano County Water Agency Travis Turnout | 444 | | | | | | |
| | | | 10.54 | Solano County Water Agency Fairfield / Vacaville 24" | 491 | | | | | | |
| | | | | Solano County Water Agency Fairfield / Vacaville 42" | 1,824 | | | | | | |
| 2 | | | 17.00 | Solano County Water Agency Central Solano | Stub | | | | | | |
| 3A | | Cordelia Forebay | 21.23 | | | 1,451 | 1,193 | 1,451 | 1,451 | | |
| | | Cordelia Pumping Plant & Cordelia Spillway | 21.30 | | | | | | | | |
| 3B | 2 | Napa Pipeline | 21.33 | Solano County Water Agency Vallejo | 1,451 | 23 | 0 | 515 | 23 | | |
| | | | | Solano County Water Agency Benicia | 1,193 | | | | | | |
| | | Cordelia Surge Tank | 23.33 | | | | | | | | |
| | | Creston Surge Tank Connection | 25.65 | | | | | | | | |
| | | | 26.95 | Napa County Flood Control & WCD American Canyon 2 | 23 | | | | | | |
| | | | 27.27 | Napa County Flood Control & WCD American Canyon 3 | 0 | | | | | | |
| | | Napa Terminal Tank | 27.58 | City of Napa | 515 | | | | | | |
| | | | 27.60 | Napa County Flood Control & WCD American Canyon 1 | 220 | | | | 220 | | |

Table 9. Delta Field Division Plant Data

(in acre-feet)

July 2001

| Date | North Bay Aqueduct | | California Aqueduct | | South Bay Aqueduct | | | |
|-------|-----------------------------|------------------------|---------------------|---------|-------------------------|-------------------------|---------------|--|
| | Barker Slough Pumping Plant | Cordelia Pumping Plant | Banks Pumping Plant | | South Bay Pumping Plant | Del Valle Pumping Plant | | |
| | | | Total | SWP | | Into Lake | Into Aqueduct | Gravity Flow Through Plant Into Aqueduct |
| 1 | 236 | 126 | 0 | 0 | 146 | 0 | 0 | 220 |
| 2 | 221 | 120 | 525 | 525 | 165 | 0 | 0 | 227 |
| 3 | 227 | 113 | 1,885 | 1,885 | 235 | 0 | 0 | 153 |
| 4 | 242 | 116 | 4,693 | 4,693 | 293 | 0 | 0 | 82 |
| 5 | 218 | 120 | 4,735 | 4,735 | 476 | 112 | 0 | 9 |
| 6 | 213 | 108 | 4,969 | 4,969 | 609 | 212 | 0 | 0 |
| 7 | 238 | 127 | 5,070 | 4,673 | 578 | 223 | 0 | 0 |
| 8 | 226 | 114 | 6,043 | 5,646 | 509 | 200 | 0 | 0 |
| 9 | 200 | 103 | 7,633 | 7,236 | 574 | 203 | 0 | 0 |
| 10 | 207 | 102 | 9,013 | 7,013 | 598 | 188 | 0 | 0 |
| 11 | 214 | 110 | 8,937 | 5,928 | 529 | 144 | 0 | 0 |
| 12 | 233 | 122 | 8,835 | 6,835 | 560 | 173 | 0 | 0 |
| 13 | 209 | 105 | 8,214 | 6,214 | 593 | 200 | 0 | 0 |
| 14 | 215 | 103 | 8,445 | 6,051 | 576 | 200 | 0 | 0 |
| 15 | 213 | 102 | 7,977 | 5,634 | 562 | 199 | 0 | 0 |
| 16 | 210 | 105 | 5,562 | 3,168 | 579 | 188 | 0 | 0 |
| 17 | 215 | 113 | 6,625 | 4,231 | 578 | 179 | 0 | 0 |
| 18 | 202 | 103 | 7,848 | 5,454 | 516 | 137 | 0 | 0 |
| 19 | 215 | 111 | 7,775 | 5,381 | 547 | 162 | 0 | 0 |
| 20 | 215 | 110 | 7,733 | 5,339 | 561 | 181 | 0 | 0 |
| 21 | 204 | 104 | 8,559 | 4,690 | 565 | 180 | 0 | 0 |
| 22 | 206 | 96 | 8,785 | 4,916 | 554 | 181 | 0 | 0 |
| 23 | 214 | 116 | 8,721 | 4,839 | 593 | 177 | 0 | 0 |
| 24 | 169 | 89 | 8,033 | 5,440 | 586 | 177 | 0 | 0 |
| 25 | 160 | 97 | 8,744 | 6,151 | 540 | 134 | 0 | 0 |
| 26 | 182 | 101 | 8,602 | 6,009 | 557 | 164 | 0 | 0 |
| 27 | 170 | 112 | 8,798 | 6,205 | 577 | 181 | 0 | 0 |
| 28 | 177 | 111 | 8,585 | 5,992 | 570 | 181 | 0 | 0 |
| 29 | 172 | 112 | 8,583 | 5,990 | 561 | 179 | 0 | 0 |
| 30 | 183 | 119 | 9,049 | 5,850 | 564 | 171 | 0 | 0 |
| 31 | 170 | 112 | 8,689 | 5,490 | 567 | 161 | 0 | 0 |
| Total | 6,376 | 3,402 | 217,665 | 157,182 | 16,018 | 4,787 | 0 | 691 |

Table 10. Clifton Court Forebay

Daily Operation of Gates

July 2001

| Date | Time | | | | | | | | Amount of inflow in Acre-Feet |
|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------------------------------------|
| | Opened | Closed | Opened | Closed | Opened | Closed | Opened | Closed | |
| 1 | 17:00 | 23:02 | | | | | | | 3,290 |
| 2 | 5:00 | 9:06 | 16:50 | 21:00 | | | | | 3,333 |
| 3 | 5:42 | 8:30 | 19:30 | 22:30 | | | | | 2,478 |
| 4 | 6:20 | 9:23 | 18:50 | 21:30 | | | | | 3,777 |
| 5 | 9:00 | 13:15 | 16:19 | 20:24 | | | | | 3,956 |
| 6 | 0:26 | 2:14 | 7:50 | 11:30 | 20:50 | 21:25 | | | 3,957 |
| 7 | 0:18 | 2:57 | 8:20 | 12:20 | | | | | 4,942 |
| 8 | 0:13 | 3:39 | 8:47 | 14:15 | | | | | 5,951 |
| 9 | 0:01 | 4:22 | 9:53 | 15:50 | 23:47 | - - - | | | 7,541 |
| 10 | - - - | 5:11 | 7:11 | 11:30 | | | | | 8,926 |
| 11 | 0:20 | 6:07 | 10:50 | 16:05 | | | | | 7,820 |
| 12 | 0:55 | 7:11 | 9:16 | 15:15 | | | | | 8,917 |
| 13 | 1:30 | 8:14 | 10:14 | 16:12 | | | | | 8,548 |
| 14 | 2:06 | 8:17 | 11:17 | 15:56 | | | | | 7,918 |
| 15 | 2:46 | 9:11 | 12:11 | 15:39 | | | | | 7,129 |
| 16 | 3:28 | 10:01 | 13:01 | 16:39 | | | | | 7,140 |
| 17 | 4:13 | 10:47 | 13:47 | 16:30 | | | | | 7,126 |
| 18 | 4:58 | 11:32 | 14:32 | 21:30 | | | | | 7,914 |
| 19 | 0:05 | 3:05 | 5:45 | 11:45 | 17:50 | 19:30 | | | 7,934 |
| 20 | 0:15 | 3:56 | 6:40 | 12:20 | | | | | 7,933 |
| 21 | 0:06 | 4:49 | 7:23 | 12:45 | | | | | 8,924 |
| 22 | 0:05 | 5:38 | 8:17 | 12:50 | 18:30 | 20:30 | | | 8,982 |
| 23 | 0:30 | 3:34 | 10:20 | 15:19 | 18:19 | 21:20 | | | 8,851 |
| 24 | 0:01 | 4:34 | 10:20 | 16:09 | | | | | 7,921 |
| 25 | 0:01 | 5:38 | 7:45 | 13:15 | | | | | 8,907 |
| 26 | 0:25 | 6:49 | 9:15 | 14:21 | | | | | 8,280 |
| 27 | 1:13 | 7:05 | 10:13 | 13:45 | 15:50 | 17:55 | | | 8,885 |
| 28 | 2:01 | 8:17 | 11:17 | 15:20 | | | | | 8,885 |
| 29 | 2:53 | 9:23 | 12:23 | 17:38 | | | | | 8,884 |
| 30 | 3:43 | 10:22 | 13:25 | 18:20 | | | | | 9,901 |
| 31 | 0:01 | 1:47 | 4:33 | 10:45 | 15:05 | 21:39 | | | 10,843 |
| Total inflow for the month in AF: | | | | | | | | | 225,793 |

Table 11. Governor Edmund G. Brown California Aqueduct
 Delta Field Division, Monthly Deliveries

| (In acre-feet) | | | | | | July 2001 | | | | | | |
|----------------|-------------------------|--------------|------------------------------|---------------------------|--------------|-----------|-------|-------|-------------------|-------------------------|--|--|
| Reach No. | Operating Pool | | Turnout | Total Diversions | Deliveries | | | | | 47 102 195 242 | | |
| | Beginning and Ending | | | | Entitle-ment | USBR | Misc. | Local | Dry Year Purchase | | | |
| | No. | Structure | Mile | | | | | | | | | |
| 1 | Banks Pumping Plant | 3.32 | | 217,665 | 41 | 41 | 0 | 0 | 0 | | | |
| | South Bay Pumping Plant | 4.49 | Bethany Reservoir inlet | 16,018 | | | | | | | | |
| | Check No. 1 | 5.95 | | | | | | | | | | |
| | 2 | Check No. 2 | 12.01 | | | | | | | | | |
| | | 12.47 | Musco Olive | 41 | | | | | | | | |
| | 3 | Check No. 3 | 18.29 | | | | | | | | | |
| | | 22.16 | Tracy Golf & Country Club | 0 | | | | | | | | |
| | 4 | Check No. 4 | 23.99 | | | | | | | | | |
| | 5 | Check No. 5 | 29.73 | | | | | | | | | |
| | 6 | Check No. 6 | 34.24 | | | | | | | | | |
| 2A | | 35.22 | Turlock Fruit Company Inflow | 0 | | | | | | | | |
| | 7 | Check No. 7 | 39.91 | | | | | | | | | |
| | | 42.46 | Oak Flat Water District-A | 47 | 49 | 180 | 262 | 0 | 0 | | | |
| | | 42.9 | Western Hills WD | 102 | | | | | | | | |
| | 8 | | Oak Flat Water District-B | 244 | | | | | | | | |
| | | 43.81 | Oak Flat Water District-C | 180 | | | | | | | | |
| | | 44.64 | | | | | | | | | | |
| | | Check No. 8 | 45.97 | | | | | | | | | |
| | | | 46.18 | Oak Flat Water District-D | 262 | 491 | 0 | 0 | 0 | | | |
| | 9 | | | Oak Flat Totals: | 733 | | | | | | | |
| | | Check No. 9 | 51.3 | | | | | | | | | |
| 2B | 10 | Check No. 10 | 56.86 | | | 3 | 0 | 0 | 0 | | | |
| | 11 | Check No. 11 | 61.4 | | | | | | | | | |
| | | | 66.14 | Veteran's Cemetery | 3 | | | | | | | |
| | 12 | Check No. 12 | 66.71 | | 183,566 | | | | | | | |

Table 12. South Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

| Reach No. | Operating Pool | | | Turnout | Total Diversions | July 2001 | | | | |
|-----------|--|------------------------------------|-------|--------------------------------------|------------------|-------------|-----------------|-------|------------|--|
| | Beginning and Ending | | No. | | | Deliveries | | | | |
| | Structure | Mile | | | | Entitlement | Purchase Pool B | Local | Recreation | |
| 1 | South Bay Pumping Plant | 0.00 | | (into South Bay Aqueduct) | 0 | 4 | 1,030 | 100 | | |
| | | 3.17 | | Granite - Vasco Rd. (Temp.) | 0 | | | | | |
| | | 3.18 | | Oakland Scavenger Zone 7 | 4 | | | | | |
| | | Check No. 1 | 3.91 | | | | | | | |
| | 2 | Check No. 2 | 5.21 | | | | | | | |
| 2 | 3 | 7.21 | | Zone 7 Altamont | 17 | 17 | 1,030 | 100 | | |
| | | Check No. 3 | 9.49 | Zone 7 Patterson Stored Exchange | 0 | | | | | |
| | | | | Zone 7 Patterson Project Water | 1,130 | | | | | |
| 4 | 4 | Check No. 4 | 10.68 | | | 224 | 224 | 24 | | |
| | | Check No. 5 | 12.29 | | | | | | | |
| | 6 | 13.55 | | Zone 7 Wente #1 | 224 | | | | | |
| | | 14.16 | | Zone 7 Wente #2 | 117 | | | | | |
| | | 14.31 | | Ising Project Water | 24 | | | | | |
| | | Check No. 6 | 14.65 | | | | | | | |
| | 7 | 14.78 | | Zone 7 Arroyo Mocho | 0 | | | | | |
| | | Check No. 7 | 16.38 | | | | | | | |
| | 8 | 16.57 | | Zone 7 Wente #3 | 31 | | 31 | 31 | | |
| | | 16.69 | | Zone 7 Norman Nursery | 29 | | | | | |
| | | 16.70 | | Zone 7 Concannon Project Water | 90 | | | | | |
| | | Del Valle Branch Pipeline Junction | 18.63 | (Pumped into Lake Del Valle) | 4,787 | | 26 | 26 | 31 | |
| | | | | (Flow into South Bay Aqueduct) | 691 | | | | | |
| 5 | Deliveries through Del Valle Branch Pipeline | | | Arroyo Valle #1 & #2 Project Water | 26 | | | | | |
| | | | | Arroyo Valle #1 & #2 Stored Exchange | 0 | | | | | |
| | | | | Lake Del Valle Recreation | 31 | | | | | |
| | | | | Zone 7 Wente #5 | 104 | | 104 | 104 | 31 | |
| | | | | So. Livermore Project | 2,491 | | | | | |
| 6 | | 19.20 | | So. Livermore Inflow Released | 55 | 2,491 | 2,491 | 55 | | |
| | | | | So. Livermore Stored Exchanged | 0 | | | | | |
| | | 19.21 | | Zone 7 - Kalthrof Detjens | 187 | | | | | |
| 7 | La Costa Tunnel | 22.50 | | ACWD Vallecitos Project Water | 0 | 2,723 | 2,723 | 55 | | |
| | | 25.97 | | City of San Francisco San Antonio | 0 | | | | | |
| 8 | Mission Tunnel | 28.97 | | ACWD - Bayside 1 & 2 Project Water: | 2,723 | 2,723 | 2,723 | 55 | | |
| | | | | Inflow Released | 0 | | | | | |
| 9 | Santa Clara Pipeline | 35.86 | | Stored Exchange: | 0 | 4,639 | 4,639 | 55 | | |
| | | | | S.C.V.W.D. Meter | 4,639 | | | | | |

Table 13. Lake Del Valle
Daily Operation

Capacity: 77,106 ac-ft

July 2001

(in acre-feet except as noted)

| Date | Water Surface Elevation (feet) | Storage | Storage Change | Inflow | | Outflow | | | | | Precipitation (inches) |
|--------|--------------------------------|---------|----------------|------------|-------------------------|--------------|--------------------|--------------------------|-------------|---------------|------------------------|
| | | | | Natural 1/ | From South Bay Aqueduct | Arroyo Valle | South Bay Aqueduct | Recreation Deliveries 2/ | Evaporation | Total Outflow | |
| Jun 30 | 694.86 | 34,412 | | | | | | | | | |
| 1 | 694.54 | 34,207 | -205 | 25 | 0 | 0 | 220 | 1 | 9 | 230 | 0.00 |
| 2 | 694.21 | 33,996 | -211 | 31 | 0 | 0 | 227 | 1 | 14 | 242 | 0.00 |
| 3 | 693.94 | 33,824 | -172 | 0 | 0 | 0 | 153 | 1 | 18 | 172 | 0.00 |
| 4 | 693.81 | 33,742 | -82 | 23 | 0 | 0 | 82 | 1 | 22 | 105 | 0.00 |
| 5 | 693.94 | 33,824 | 82 | -10 | 112 | 0 | 9 | 1 | 10 | 20 | 0.00 |
| 6 | 694.29 | 34,047 | 223 | 29 | 212 | 0 | 0 | 1 | 17 | 18 | 0.00 |
| 7 | 694.61 | 34,252 | 205 | -2 | 223 | 0 | 0 | 1 | 15 | 16 | 0.00 |
| 8 | 694.91 | 34,444 | 192 | 7 | 200 | 0 | 0 | 1 | 14 | 15 | 0.00 |
| 9 | 695.21 | 34,639 | 195 | 4 | 203 | 0 | 0 | 1 | 11 | 12 | 0.00 |
| 10 | 695.49 | 34,818 | 179 | 5 | 188 | 0 | 0 | 1 | 13 | 14 | 0.00 |
| 11 | 695.69 | 34,948 | 130 | -1 | 144 | 0 | 0 | 1 | 12 | 13 | 0.00 |
| 12 | 695.94 | 35,110 | 162 | -2 | 173 | 0 | 0 | 1 | 8 | 9 | 0.00 |
| 13 | 696.22 | 35,294 | 184 | -6 | 200 | 0 | 0 | 1 | 9 | 10 | 0.00 |
| 14 | 696.49 | 35,472 | 178 | -6 | 200 | 0 | 0 | 1 | 15 | 16 | 0.00 |
| 15 | 696.77 | 35,656 | 184 | -2 | 199 | 0 | 0 | 1 | 12 | 13 | 0.00 |
| 16 | 697.03 | 35,828 | 172 | -4 | 188 | 0 | 0 | 1 | 11 | 12 | 0.00 |
| 17 | 697.29 | 36,001 | 173 | 4 | 179 | 0 | 0 | 1 | 9 | 10 | 0.00 |
| 18 | 697.46 | 36,114 | 113 | -13 | 137 | 0 | 0 | 1 | 10 | 11 | 0.00 |
| 19 | 697.70 | 36,274 | 160 | 10 | 162 | 0 | 0 | 1 | 11 | 12 | 0.00 |
| 20 | 697.94 | 36,434 | 160 | -8 | 181 | 0 | 0 | 1 | 12 | 13 | 0.00 |
| 21 | 698.19 | 36,601 | 167 | -1 | 180 | 0 | 0 | 1 | 11 | 12 | 0.00 |
| 22 | 698.42 | 36,756 | 155 | -14 | 181 | 0 | 0 | 1 | 11 | 12 | 0.00 |
| 23 | 698.65 | 36,910 | 154 | -11 | 177 | 0 | 0 | 1 | 11 | 12 | 0.00 |
| 24 | 698.90 | 37,079 | 169 | 7 | 177 | 0 | 0 | 1 | 14 | 15 | 0.00 |
| 25 | 699.09 | 37,208 | 129 | 8 | 134 | 0 | 0 | 1 | 12 | 13 | 0.00 |
| 26 | 699.34 | 37,377 | 169 | 35 | 164 | 0 | 0 | 1 | 29 | 30 | 0.00 |
| 27 | 699.56 | 37,527 | 150 | -19 | 181 | 0 | 0 | 1 | 11 | 12 | 0.00 |
| 28 | 699.79 | 37,684 | 157 | -9 | 181 | 0 | 0 | 1 | 14 | 15 | 0.00 |
| 29 | 700.04 | 37,855 | 171 | 1 | 179 | 0 | 0 | 1 | 8 | 9 | 0.00 |
| 30 | 700.26 | 38,005 | 150 | -11 | 171 | 0 | 0 | 1 | 9 | 10 | 0.00 |
| 31 | 700.46 | 38,143 | 138 | -12 | 161 | 0 | 0 | 1 | 10 | 11 | 0.00 |
| Total | | | | 3,731 | 58 | 4,787 | 0 | 691 | 31 | 392 | 1,114 |

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ To East Bay Regional Park District.

NR=No Records

Table 14. Consolidated State-Federal O'Neill Forebay

Daily Operations

July 2001

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

| Date | Water Surface Elevation (in feet) | Storage (ac-ft) | Storage Change | Inflow (cfs) | | | | Outflow (cfs) | | | | Computed Losses (-) Gains (+) (cfs) | |
|-----------|-----------------------------------|-----------------|----------------|--------------|---|--|---------------------|---|--|-----------------------------|---------------|-------------------------------------|-------|
| | | | | Pump In 1/ | O'Neill Pumping Generating Plant (Pumped) | Gianelli Pumping Generating Plant (Generation) | California Aqueduct | O'Neill Pumping Generating Plant (Generation) | Gianelli Pumping Generating Plant (Pumped) | Dos Amigos Pumping Plant 2/ | Deliveries 3/ | | |
| Jun 30 | 222.84 | 50,619 | | | | | | | | | | | |
| 1 | 221.89 | 48,098 | -2,521 | 0 | 318 | 5,989 | 0 | 0 | 0 | 7,401 | 30 | -147 | |
| 2 | 221.14 | 46,128 | -1,970 | 0 | 146 | 5,360 | 0 | 0 | 0 | 6,420 | 21 | -58 | |
| 3 | 220.25 | 43,801 | -2,327 | 0 | 0 | 6,373 | 0 | 0 | 0 | 7,300 | 38 | -208 | |
| 4 | 220.56 | 44,609 | 808 | 0 | 0 | 6,123 | 1,918 | 0 | 0 | 7,582 | 39 | -13 | |
| 5 | 221.40 | 46,810 | 2,201 | 0 | 0 | 6,403 | 2,352 | 0 | 0 | 7,697 | 47 | 99 | |
| 6 | 221.01 | 45,787 | -1,023 | 0 | 149 | 5,172 | 1,446 | 0 | 0 | 7,474 | 47 | 238 | |
| 7 | 221.21 | 46,311 | 524 | 0 | 314 | 5,136 | 1,927 | 19 | 0 | 7,200 | 29 | 135 | |
| 8 | 220.24 | 43,775 | -2,536 | 0 | 390 | 3,945 | 2,212 | 56 | 0 | 7,835 | 39 | 104 | |
| 9 | 221.22 | 46,337 | 2,562 | 0 | 396 | 4,677 | 3,045 | 0 | 0 | 6,895 | 48 | 117 | |
| 10 | 221.97 | 48,308 | 1,971 | 0 | 432 | 3,145 | 4,045 | 121 | 0 | 6,543 | 44 | 80 | |
| 11 | 221.33 | 46,626 | -1,682 | 0 | 398 | 1,500 | 3,997 | 157 | 0 | 6,883 | 45 | 342 | |
| 12 | 222.77 | 50,433 | 3,807 | 0 | 546 | 3,727 | 3,807 | 58 | 0 | 6,520 | 40 | 457 | |
| 13 | 223.10 | 51,313 | 880 | 0 | 689 | 2,669 | 3,475 | 0 | 0 | 6,282 | 50 | -57 | |
| 14 | 223.17 | 51,500 | 187 | 0 | 738 | 1,623 | 3,496 | 0 | 0 | 5,875 | 40 | 152 | |
| 15 | 220.90 | 45,498 | -6,002 | 0 | 637 | 0 | 3,521 | 0 | 1,864 | 5,437 | 44 | 161 | |
| 16 | 221.95 | 48,255 | 2,757 | 0 | 613 | 3,723 | 2,213 | 0 | 532 | 4,568 | 18 | -41 | |
| 17 | 222.08 | 48,597 | 342 | 0 | 693 | 2,077 | 3,080 | 0 | 0 | 5,812 | 35 | 169 | |
| 18 | 222.03 | 48,464 | -133 | 0 | 786 | 1,483 | 3,071 | 0 | 0 | 5,549 | 36 | 178 | |
| 19 | 221.40 | 46,810 | -1,654 | 0 | 728 | 1,039 | 3,489 | 0 | 0 | 6,202 | 19 | 131 | |
| 20 | 221.76 | 47,756 | 946 | 0 | 612 | 1,779 | 3,361 | 0 | 0 | 5,490 | 17 | 232 | |
| 21 | 220.36 | 44,088 | -3,668 | 0 | 277 | 1,039 | 3,776 | 173 | 0 | 6,973 | 17 | 222 | |
| 22 | 218.94 | 40,432 | -3,656 | 0 | 0 | 1,044 | 3,899 | 186 | 0 | 6,730 | 34 | 164 | |
| 23 | 220.15 | 43,541 | 3,109 | 0 | 0 | 2,230 | 4,136 | 0 | 0 | 4,739 | 40 | -20 | |
| 24 | 219.03 | 40,660 | -2,881 | 0 | 264 | 1,187 | 3,184 | 0 | 0 | 6,039 | 40 | -8 | |
| 25 | 219.35 | 41,477 | 817 | 0 | 600 | 2,811 | 3,803 | 0 | 0 | 6,793 | 45 | 36 | |
| 26 | 219.23 | 41,170 | -307 | 0 | 470 | 2,293 | 3,973 | 0 | 0 | 6,981 | 40 | 130 | |
| 27 | 220.32 | 43,983 | 2,813 | 0 | 431 | 3,977 | 3,890 | 0 | 0 | 6,881 | 41 | 42 | |
| 28 | 221.03 | 45,839 | 1,856 | 0 | 350 | 3,439 | 3,739 | 94 | 0 | 6,458 | 17 | -23 | |
| 29 | 219.39 | 41,579 | -4,260 | 0 | 364 | 0 | 3,849 | 157 | 0 | 6,732 | 44 | 572 | |
| 30 | 219.78 | 42,583 | 1,004 | 0 | 429 | 2,133 | 3,939 | 60 | 0 | 6,240 | 16 | 321 | |
| 31 | 219.48 | 41,810 | -773 | 0 | 421 | 1,980 | 3,903 | 0 | 358 | 6,510 | 26 | 200 | |
| Total | | | | -8,809 | 0 | 12,191 | 94,076 | 92,546 | 1,081 | 2,754 | 202,041 | 1,086 | 3,708 |
| Mean cfs | | | | --- | 0 | 393 | 3,035 | 2,985 | 35 | 89 | 6,517 | 35 | 120 |
| Acre-feet | | | | -8,809 | 0 | 24,180 | 186,599 | 183,566 | 2,146 | 5,464 | 400,745 | 2,154 | 7,355 |

1/ Pump-in located at Mile 79.67R.

2/ CVC Transfer incorporated in D.A. pumping, total CVC Transfer = 10,419 AF.

3/ Includes 3 AF delivered to DFG at O'Neill Forebay.

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations

July 2001

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 2,027,835 ac-ft

| Date | Water Surface Elev. (in feet) | Storage (ac-ft) | Storage Change (ac-ft) | Inflow (cfs) | | Outflow (cfs) | | | Computed Losses (-) Gains (+) (cfs) |
|-----------|----------------------------------|--------------------|---------------------------|--|--|-------------------|---------------------|------|---|
| | | | | Gianelli Pumping Generating Plant (Pumped) | Gianelli Pumping Generating Plant (Generation) | Pacheco Tunnel 1/ | Parks and Rec. Del. | | |
| Jun 30 | 456.07 | 1,033,071 | | | | | | | |
| 1 | 454.88 | 1,021,055 | -12,016 | 0 | 5,989 | 360 | 0 | 291 | |
| 2 | 453.77 | 1,009,888 | -11,167 | 0 | 5,360 | 398 | 0 | 128 | |
| 3 | 452.46 | 996,763 | -13,125 | 0 | 6,373 | 385 | 0 | 141 | |
| 4 | 451.15 | 983,694 | -13,069 | 0 | 6,123 | 339 | 0 | -127 | |
| 5 | 449.79 | 970,188 | -13,506 | 0 | 6,403 | 387 | 0 | -19 | |
| 6 | 448.68 | 959,210 | -10,978 | 0 | 5,172 | 393 | 0 | 30 | |
| 7 | 447.61 | 948,668 | -10,542 | 0 | 5,136 | 377 | 0 | 198 | |
| 8 | 446.75 | 940,223 | -8,445 | 0 | 3,945 | 367 | 0 | 54 | |
| 9 | 445.77 | 930,631 | -9,592 | 0 | 4,677 | 383 | 0 | 224 | |
| 10 | 445.04 | 923,507 | -7,124 | 0 | 3,145 | 381 | 0 | -66 | |
| 11 | 444.61 | 919,320 | -4,187 | 0 | 1,500 | 386 | 0 | -225 | |
| 12 | 443.77 | 911,158 | -8,162 | 0 | 3,727 | 377 | 0 | -11 | |
| 13 | 443.15 | 905,149 | -6,009 | 0 | 2,669 | 454 | 0 | 94 | |
| 14 | 442.73 | 901,087 | -4,062 | 0 | 1,623 | 374 | 0 | -51 | |
| 15 | 442.93 | 903,021 | 1,934 | 1,864 | 0 | 358 | 0 | -531 | |
| 16 | 442.26 | 896,548 | -6,473 | 532 | 3,723 | 365 | 0 | 293 | |
| 17 | 441.73 | 891,439 | -5,109 | 0 | 2,077 | 363 | 0 | -136 | |
| 18 | 441.33 | 887,589 | -3,850 | 0 | 1,483 | 352 | 0 | -106 | |
| 19 | 441.05 | 884,898 | -2,691 | 0 | 1,039 | 351 | 0 | 33 | |
| 20 | 440.59 | 880,483 | -4,415 | 0 | 1,779 | 349 | 0 | -98 | |
| 21 | 440.27 | 877,415 | -3,068 | 0 | 1,039 | 344 | 0 | -164 | |
| 22 | 439.99 | 874,735 | -2,680 | 0 | 1,044 | 337 | 0 | 30 | |
| 23 | 439.46 | 869,668 | -5,067 | 0 | 2,230 | 341 | 0 | 16 | |
| 24 | 439.13 | 866,518 | -3,150 | 0 | 1,187 | 463 | 0 | 62 | |
| 25 | 438.47 | 860,230 | -6,288 | 0 | 2,811 | 89 | 0 | -270 | |
| 26 | 437.92 | 855,003 | -5,227 | 0 | 2,293 | 324 | 0 | -18 | |
| 27 | 437.06 | 846,850 | -8,153 | 0 | 3,977 | 320 | 0 | 187 | |
| 28 | 436.27 | 839,384 | -7,466 | 0 | 3,439 | 316 | 0 | -9 | |
| 29 | 436.16 | 838,346 | -1,038 | 0 | 0 | 310 | 0 | -213 | |
| 30 | 435.64 | 833,446 | -4,900 | 0 | 2,133 | 306 | 0 | -31 | |
| 31 | 435.25 | 829,778 | -3,668 | 358 | 1,980 | 320 | 0 | 93 | |
| Total | | | -203,293 | 2,754 | 94,076 | 10,969 | 0 | -201 | |
| Mean cfs | | | --- | 89 | 3,035 | 354 | 0 | -6 | |
| Acre-feet | | | -203,293 | 5,464 | 186,599 | 21,758 | 0 | -400 | |

1/ Pacheco Tunnel, San Felipe Split; Santa Clara: 17,969 AF, San Benito: 3,789 AF.

Table 16. San Luis Field Division Plant Data

(in acre-feet)

July 2001

| Date | Dos Amigos Pumping Plant | | Gianelli Pumping - Generating Plant | | | San Felipe Project | |
|-------|--------------------------|----------------------|-------------------------------------|-------------------------|---------------|----------------------|---------|
| | Total Pumping | SWP Pumping 1/ 2/ | Total Generation | SWP Generation 1/ 2/ | Total Pumping | SWP Pumping 1/ 2/ | Federal |
| 1 | 14,680 | 7,250 | 11,880 | 5,498 | 0 | 0 | 715 |
| 2 | 12,734 | 6,599 | 10,632 | 7,497 | 0 | 0 | 790 |
| 3 | 14,480 | 8,428 | 12,641 | 6,985 | 0 | 0 | 764 |
| 4 | 15,039 | 9,020 | 12,144 | 6,031 | 0 | 0 | 672 |
| 5 | 15,267 | 9,206 | 12,701 | 5,142 | 0 | 0 | 768 |
| 6 | 14,825 | 8,703 | 10,258 | 2,633 | 0 | 0 | 779 |
| 7 | 14,281 | 8,177 | 10,188 | 3,135 | 0 | 0 | 747 |
| 8 | 15,540 | 9,548 | 7,825 | 4,615 | 0 | 0 | 727 |
| 9 | 13,676 | 7,510 | 9,276 | 4,931 | 0 | 0 | 759 |
| 10 | 12,978 | 6,911 | 6,238 | 1,375 | 0 | 0 | 756 |
| 11 | 13,652 | 7,557 | 2,975 | 1,669 | 0 | 0 | 766 |
| 12 | 12,932 | 6,779 | 7,393 | 2,540 | 0 | 0 | 748 |
| 13 | 12,460 | 6,384 | 5,294 | 5,146 | 0 | 0 | 901 |
| 14 | 11,653 | 4,923 | 3,219 | 3,070 | 0 | 0 | 741 |
| 15 | 10,784 | 4,204 | 0 | 0 | 3,697 | 3,697 | 710 |
| 16 | 9,060 | 2,422 | 7,384 | 3,235 | 1,056 | 1,056 | 724 |
| 17 | 11,528 | 4,821 | 4,119 | -37 | 0 | 0 | 721 |
| 18 | 11,006 | 4,462 | 2,942 | -59 | 0 | 0 | 698 |
| 19 | 12,302 | 5,624 | 2,060 | -42 | 0 | 0 | 696 |
| 20 | 10,889 | 4,217 | 3,529 | 1,475 | 0 | 0 | 693 |
| 21 | 13,830 | 7,102 | 2,060 | -31 | 0 | 0 | 683 |
| 22 | 13,349 | 6,347 | 2,071 | 22 | 0 | 0 | 668 |
| 23 | 9,400 | 5,400 | 4,423 | 4,423 | 0 | 0 | 677 |
| 24 | 11,978 | 7,928 | 2,354 | 2,354 | 0 | 0 | 919 |
| 25 | 13,473 | 9,426 | 5,576 | 4,716 | 0 | 0 | 177 |
| 26 | 13,847 | 9,827 | 4,549 | 3,970 | 0 | 0 | 643 |
| 27 | 13,649 | 10,652 | 7,888 | 7,007 | 0 | 0 | 634 |
| 28 | 12,810 | 8,052 | 6,822 | 6,822 | 0 | 0 | 626 |
| 29 | 13,352 | 8,215 | 0 | 0 | 0 | 0 | 615 |
| 30 | 12,378 | 7,592 | 4,231 | 1,602 | 0 | 0 | 606 |
| 31 | 12,913 | 8,096 | 3,927 | 3,046 | 711 | 711 | 515 |
| Total | 400,745 | 221,382 | 186,599 | 98,770 | 5,464 | 5,464 | 21,638 |

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

Table 17. Consolidated State-Federal Los Banos Reservoir

Daily Operations

July 2001

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 34,560 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

| Date | Water Surface Elev. (in feet) | Storage (ac-ft) | Storage Change (ac-ft) | Estimated Inflow (cfs) | Estimated Outflow (cfs) | | Computed Losses (-) Gains (+) (ac-ft) |
|-----------|----------------------------------|--------------------|---------------------------|---------------------------|-------------------------|--------|---|
| | | | | | Spill | Outlet | |
| Jun 30 | 325.99 | 19,735 | | | | | |
| 1 | 325.96 | 19,722 | -13 | 0 | 0 | 0 | -13 |
| 2 | 325.95 | 19,717 | -5 | 0 | 0 | 0 | -5 |
| 3 | 325.93 | 19,708 | -9 | 0 | 0 | 0 | -9 |
| 4 | 325.90 | 19,694 | -14 | 0 | 0 | 0 | -14 |
| 5 | 325.88 | 19,685 | -9 | 0 | 0 | 0 | -9 |
| 6 | 325.84 | 19,667 | -18 | 0 | 0 | 0 | -18 |
| 7 | 325.83 | 19,662 | -5 | 0 | 0 | 0 | -5 |
| 8 | 325.80 | 19,648 | -14 | 0 | 0 | 0 | -14 |
| 9 | 325.76 | 19,630 | -18 | 0 | 0 | 0 | -18 |
| 10 | 325.72 | 19,612 | -18 | 0 | 0 | 0 | -18 |
| 11 | 325.67 | 19,589 | -23 | 0 | 0 | 0 | -23 |
| 12 | 325.66 | 19,584 | -5 | 0 | 0 | 0 | -5 |
| 13 | 325.64 | 19,575 | -9 | 0 | 0 | 0 | -9 |
| 14 | 325.60 | 19,557 | -18 | 0 | 0 | 0 | -18 |
| 15 | 325.55 | 19,534 | -23 | 0 | 0 | 0 | -23 |
| 16 | 325.52 | 19,520 | -14 | 0 | 0 | 0 | -14 |
| 17 | 325.49 | 19,507 | -13 | 0 | 0 | 0 | -13 |
| 18 | 325.47 | 19,497 | -10 | 0 | 0 | 0 | -10 |
| 19 | 325.44 | 19,484 | -13 | 0 | 0 | 0 | -13 |
| 20 | 325.41 | 19,470 | -14 | 0 | 0 | 0 | -14 |
| 21 | 325.37 | 19,452 | -18 | 0 | 0 | 0 | -18 |
| 22 | 325.36 | 19,447 | -5 | 0 | 0 | 0 | -5 |
| 23 | 325.34 | 19,438 | -9 | 0 | 0 | 0 | -9 |
| 24 | 325.31 | 19,425 | -13 | 0 | 0 | 0 | -13 |
| 25 | 325.29 | 19,415 | -10 | 0 | 0 | 0 | -10 |
| 1/ 26 | 325.26 | 19,402 | -13 | 0 | 0 | 0.5 | -12 |
| 27 | 325.23 | 19,388 | -14 | 0 | 0 | 0 | -14 |
| 28 | 325.22 | 19,384 | -4 | 0 | 0 | 0 | -4 |
| 29 | 325.17 | 19,361 | -23 | 0 | 0 | 0 | -23 |
| 30 | 325.13 | 19,343 | -18 | 0 | 0 | 0 | -18 |
| 31 | 325.12 | 19,338 | -5 | 0 | 0 | 0 | -5 |
| Total | | | -397 | 0 | 0 | 0.5 | -396 |
| Mean cfs | | | --- | 0 | 0 | 0 | --- |
| Acre-feet | | | -397 | 0 | 0 | 1 | -396 |

1/ Exercised gates; released 1 AF.

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations

July 2001

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 5,580 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

| Date | Water Surface Elev. (in feet) | Storage (ac-ft) 1/ | Storage Change (ac-ft) 1/ | Estimated Inflow (cfs) | Estimated Outflow (cfs) | | Computed Losses (-) Gains (+) (ac-ft) 1/ |
|------------------|----------------------------------|--------------------------|---------------------------------|---------------------------|-------------------------|--------|---|
| | | | | | Spill | Outlet | |
| Jun 30 | 601.40 | 758 | | | | | |
| 1 | Not Observed | | | 0 | 0 | 0 | |
| 2 | Not Observed | | | 0 | 0 | 0 | |
| 3 | Not Observed | | | 0 | 0 | 0 | |
| 4 | Not Observed | | | 0 | 0 | 0 | |
| 5 | Not Observed | | | 0 | 0 | 0 | |
| 6 | 601.40 | 758 | | 0 | 0 | 0 | |
| 7 | Not Observed | | | 0 | 0 | 0 | |
| 8 | Not Observed | | | 0 | 0 | 0 | |
| 9 | Not Observed | | | 0 | 0 | 0 | |
| 10 | Not Observed | | | 0 | 0 | 0 | |
| 11 | Not Observed | | | 0 | 0 | 0 | |
| 12 | Not Observed | | | 0 | 0 | 0 | |
| 13 | 601.35 | 755 | -3 | 0 | 0 | 0 | |
| 14 | Not Observed | | | 0 | 0 | 0 | |
| 15 | Not Observed | | | 0 | 0 | 0 | |
| 16 | Not Observed | | | 0 | 0 | 0 | |
| 17 | Not Observed | | | 0 | 0 | 0 | |
| 18 | Not Observed | | | 0 | 0 | 0 | |
| 19 | Not Observed | | | 0 | 0 | 0 | |
| 20 | 601.25 | 750 | -5 | 0 | 0 | 0 | |
| 21 | Not Observed | | | 0 | 0 | 0 | |
| 22 | Not Observed | | | 0 | 0 | 0 | |
| 23 | Not Observed | | | 0 | 0 | 0 | |
| 24 | Not Observed | | | 0 | 0 | 0 | |
| 25 | Not Observed | | | 0 | 0 | 0 | |
| 26 | Not Observed | | | 0 | 0 | 0 | |
| 27 | 601.15 | 744 | -6 | 0 | 0 | 0 | |
| 28 | Not Observed | | | 0 | 0 | 0 | |
| 29 | Not Observed | | | 0 | 0 | 0 | |
| 30 | Not Observed | | | 0 | 0 | 0 | |
| 31 | 601.10 | 741 | -3 | 0 | 0 | 0 | |
| Total | | | -17 | 0 | 0 | 0 | --- |
| Mean cfs | | | --- | 0 | 0 | 0 | --- |
| Acre-feet | | | -17 | 0 | 0 | 0 | -17 |

1/ Not available on a daily basis

Table 19a. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries

(In acre-feet)

July 2001

| Reach No. | Operating Pool | | | Turnout | Total Diversions | Deliveries | | | | |
|-----------|----------------------|--|--------------------------|---|------------------|------------|-------------|----------------|-----------------|--|
| | Beginning and Ending | | No. | | | USBR | Transfer 1/ | DWR Recreation | USBR Recreation | |
| | No. | Structure | Mile | | | | | | | |
| 2B | 12 | Check No. 12 | 66.71 | | 183,566 | | | | | |
| 3 | 13 | O'Neill Forebay and San Luis Reservoir Outlet Check No. 13 | 70.85 | Department of Parks and Recreation Department of Fish & Game | 3 | | | 2 | 1 | |
| | | | 70.91 | San Luis Water District | 2,151 | 2,151 | | | | |
| | | | Thru 85.08 | (Floodwater Inflow) | 0 | | | | | |
| | | | | Reach 3 Subtotal: | 2,154 | 2,151 | 0 | 2 | 1 | |
| | | Dos Amigos Pumping Plant | 86.73 | | 400,745 | | | | | |
| | | | 89.03 | San Luis Water District | 10,681 | 10,681 | | | | |
| | | | Thru 94.06 | | | | | | | |
| 4 | 14 | | 89.66 | Pacheco Water District | 1,943 | 1,943 | | | | |
| | | | Thru 89.67 | | | | | | | |
| | | | 89.68 | Panoche Water District | 3 | 3 | | | | |
| | | | 89.70 | City of Dos Palos | 175 | 175 | | | | |
| | | | Check No. 14 | 95.06 | | | | | | |
| | | 98.15 | San Luis Water District | 1,381 | 1,381 | | | | | |
| | | Thru 104.20 | | | | | | | | |
| | | 96.15 | Panoche Water District | 12,118 | 12,118 | | | | | |
| | | Thru 102.64 | (Floodwater Inflow) | 0 | 4 | | | | | |
| | | 102.64 | Broadview Water District | 4 | | | | | | |
| | | 105.22 | Westlands Water District | 21,799 | 21,799 | | | | | |
| | | Thru 108.64 | | | | | | | | |
| | Check No.15 | 108.50 | | | | | | | | |
| | | | | Pacheco Water District Total: | 1,943 | 1,943 | 0 | 0 | 0 | |
| | | | | Broadview Water District Total: | 4 | 4 | 0 | 0 | 0 | |
| | | | | City of Dos Palos Total: | 175 | 175 | 0 | 0 | 0 | |
| | | | | SLWD Reach 4 Subtotal: | 12,062 | 12,062 | 0 | 0 | 0 | |
| | | | | Panoche Water District Total: | 12,121 | 12,121 | 0 | 0 | 0 | |
| | | | | SLWD Total: | 14,213 | 14,213 | 0 | 0 | 0 | |
| | | | | Westlands WD Reach 4 Subtotal: | 21,799 | 0 | 21,799 | 0 | 0 | |

1/ Entitlement and other water transferred to WWD; 2,027 AF from Lower Tule River ID, 2,989 AF from Pixley ID. An additional

16,783 AF of other water was transferred to WWD from Sacramento Valley Contractors, pumped at Banks PP, and wheeled through State facilities (less energy costs paid by WWD).

Table 19b. Governor Edmund G. Brown California Aqueduct
San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

July 2001

| Reach No. | Operating Pool | | | Turnout | Total Diversions | Deliveries | | | | | | | |
|-----------|----------------------|-------------------------------|--------|---|------------------|------------|-------------|----------------|-----------------|--|--|--|--|
| | Beginning and Ending | | Mile | | | USBR | Transfer 1/ | DWR Recreation | USBR Recreation | | | | |
| | No. | Structure | | | | | | | | | | | |
| 5 | 16 | | 110.52 | (Reverse flow, Kings River) | 0 | 23,579 | 4,220 | 1 | | | | | |
| | | | Thru | Westlands Water District | 23,579 | | | | | | | | |
| | | | 122.05 | Department of Fish and Game | 1 | | | | | | | | |
| | | Check No. 16 | 122.07 | | | | | | | | | | |
| | 17 | | 124.18 | Westlands Water District | 17,782 | 13,562 | 17,078 | | | | | | |
| | | | Thru | | | | | | | | | | |
| | | Check No. 17 | 132.95 | | | | | | | | | | |
| | 18 | | 133.81 | Westlands Water District | 17,488 | 410 | 3,183 | | | | | | |
| | | | Thru | | | | | | | | | | |
| | | | 142.61 | | | | | | | | | | |
| | | Pleasant Valley Pumping Plant | 143.16 | Westlands Water District | 14,986 | 11,803 | 616 | | | | | | |
| | | | 143.16 | City of Coalinga | 616 | | | | | | | | |
| | | Check No. 18 | 143.23 | | | | | | | | | | |
| | | | | Westlands WD Reach 5 Subtotal: | 73,835 | 49,354 | 24,481 | 0 | 0 | | | | |
| 6 | 19 | | 145.26 | Westlands Water District | 28,229 | 27,547 | 682 | | | | | | |
| | | | Thru | | | | | | | | | | |
| | | | 151.19 | | | | | | | | | | |
| | | Check No. 19 | 155.64 | | | | | | | | | | |
| | | | | Westlands WD Reach 6 Subtotal: | 28,229 | 27,547 | 682 | 0 | 0 | | | | |
| 7 | 20 | | 156.34 | City of Huron | 116 | 116 | | | | | | | |
| | | | 156.40 | Westlands Water District | 14,873 | | | | | | | | |
| | | | Thru | | | | | | | | | | |
| | | | 163.69 | | | | | | | | | | |
| | | Check No. 20 | 164.69 | | | | | | | | | | |
| | 21 | | 164.79 | City of Avenal | 164 | 164 | | | | | | | |
| | | | 167.04 | Westlands Water District | 5,412 | | | | | | | | |
| | | | Thru | | | | | | | | | | |
| | | | 171.67 | | | | | | | | | | |
| | | Check No. 21 | 172.40 | | 231,094 | | | | | | | | |
| | | | | Reach 7 Total: | 20,565 | 20,565 | 0 | 0 | 0 | | | | |
| | | | | Westlands WD Total: | 144,148 | 97,186 | 46,962 | 0 | 0 | | | | |
| | | | | City of Coalinga Total: | 616 | 616 | 0 | 0 | 0 | | | | |
| | | | | City of Huron Total: | 116 | 116 | 0 | 0 | 0 | | | | |
| | | | | City of Avenal Total: | 164 | 164 | 0 | 0 | 0 | | | | |
| | | | | Phase I Water Total: | 0 | 0 | 0 | 0 | 0 | | | | |
| | | | | Total San Luis Field Division Deliveries: | 173,504 | 126,538 | 46,962 | 3 | 1 | | | | |

1/ Entitlement and other water transferred to WWD; 2,183 AF from Lower Tule River ID, 3,220 AF from Pixley ID, and 1,682 AF from Tulare Lake Basin WSD. An additional 18,078 AF of other water was transferred to WWD from Sacramento Valley Contractors, pumped at Banks PP, and wheeled through State facilities (less energy costs paid by WWD).

Table 20. Consolidated State-Federal San Luis Canal 1/
Daily Operations
July 2001

United States
 Department of the Interior
 Bureau of Reclamation
 Central Valley Project

State of California
 The Resources Agency
 Department of Water Resources
 State Water Project

| Date | Storage In Canal (ac-ft) | Storage Change (ac-ft) | Inflow (cfs) | | Outflow (cfs) | | | | Computed Losses (-) Gains (+) (cfs) |
|-----------|--------------------------------|------------------------------|-----------------|--------------------------------|------------------------|------------|---------------------------|--------------------------|--|
| | | | Non- Project | Dos Amigos Pumping Plant | Pools 14 & 15 2/ | Pool 15 | Pools 15 thru 21 3/ | Flow Past Check 21 | |
| Jun 30 | 29,066 | | | | | | | | |
| 1 | 29,588 | 522 | 0 | 7,401 | 217 | 190 | 2,409 | 4,317 | -5 |
| 2 | 29,345 | -243 | 0 | 6,420 | 204 | 146 | 2,249 | 3,384 | -560 |
| 3 | 29,340 | -5 | 0 | 7,300 | 281 | 246 | 2,493 | 3,884 | -399 |
| 4 | 28,451 | -889 | 0 | 7,582 | 282 | 246 | 2,486 | 4,575 | -441 |
| 5 | 28,834 | 383 | 0 | 7,697 | 254 | 222 | 2,422 | 4,027 | -579 |
| 6 | 28,322 | -512 | 0 | 7,474 | 249 | 223 | 2,472 | 4,327 | -461 |
| 7 | 28,749 | 427 | 0 | 7,200 | 218 | 195 | 2,514 | 3,653 | -405 |
| 8 | 28,964 | 215 | 0 | 7,835 | 182 | 202 | 2,799 | 4,736 | 192 |
| 9 | 29,341 | 377 | 0 | 6,895 | 284 | 153 | 2,555 | 3,624 | -89 |
| 10 | 29,675 | 334 | 0 | 6,543 | 238 | 143 | 2,466 | 3,283 | -245 |
| 11 | 29,603 | -72 | 0 | 6,883 | 210 | 143 | 2,469 | 3,979 | -118 |
| 12 | 29,148 | -455 | 0 | 6,520 | 239 | 252 | 2,297 | 3,881 | -81 |
| 13 | 29,657 | 509 | 0 | 6,282 | 240 | 252 | 2,302 | 3,360 | 128 |
| 14 | 29,874 | 217 | 0 | 5,875 | 224 | 227 | 2,236 | 3,233 | 154 |
| 15 | 29,290 | -584 | 0 | 5,437 | 208 | 202 | 2,366 | 3,586 | 631 |
| 16 | 28,027 | -1,263 | 0 | 4,568 | 272 | 192 | 2,220 | 2,919 | 398 |
| 17 | 28,488 | 461 | 0 | 5,812 | 229 | 175 | 2,349 | 3,143 | 317 |
| 18 | 28,146 | -342 | 0 | 5,549 | 229 | 175 | 2,322 | 3,291 | 295 |
| 19 | 28,475 | 329 | 0 | 6,202 | 174 | 176 | 2,158 | 3,546 | 18 |
| 20 | 28,230 | -245 | 0 | 5,490 | 174 | 176 | 2,456 | 3,148 | 341 |
| 21 | 29,332 | 1,102 | 0 | 6,973 | 174 | 176 | 2,486 | 3,832 | 250 |
| 22 | 29,854 | 522 | 0 | 6,730 | 207 | 165 | 2,409 | 4,323 | 637 |
| 23 | 29,764 | -90 | 0 | 4,739 | 251 | 166 | 2,208 | 2,524 | 365 |
| 24 | 29,162 | -602 | 0 | 6,039 | 262 | 231 | 2,216 | 3,823 | 190 |
| 25 | 28,929 | -233 | 0 | 6,793 | 264 | 232 | 2,318 | 4,188 | 91 |
| 26 | 29,353 | 424 | 0 | 6,981 | 252 | 209 | 2,233 | 4,078 | 4 |
| 27 | 29,415 | 62 | 0 | 6,881 | 254 | 210 | 2,235 | 4,163 | 12 |
| 28 | 29,118 | -297 | 0 | 6,458 | 186 | 223 | 2,126 | 4,037 | -36 |
| 29 | 29,213 | 95 | 0 | 6,732 | 210 | 193 | 2,350 | 3,988 | 57 |
| 30 | 29,786 | 573 | 0 | 6,240 | 258 | 138 | 2,305 | 3,451 | 201 |
| 31 | 29,216 | -570 | 0 | 6,510 | 223 | 232 | 2,202 | 4,207 | 67 |
| Total | | 150 | 0 | 202,041 | 7,149 | 6,111 | 73,128 | 116,508 | 931 |
| Mean cfs | | --- | 0 | 6,520 | 231 | 198 | 2,367 | 3,745 | 30 |
| Acre-feet | | 150 | 0 | 400,745 | 14,180 | 12,121 | 145,049 | 231,094 | 1,849 |

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Includes 1,942 AF AG & 1 AF M&I to Pacheco W.D. and 175 AF to the City of Dos Palos.

3/ Includes 116 AF to the City of Huron, 164 AF to the City of Avenal, 616 AF to the City of Coalinga, 4 AF to Broadview W.D., and 1 AF to F&G @ WWD Lateral 4L.

Table 21. San Joaquin Field Division Plant Data

(in acre-feet)

July 2001

| Date | Coastal Aqueduct | | | | | California Aqueduct | | | |
|-------|-------------------------------|------------------------------|------------------------------|----------------------------|-------------------------------|------------------------------|--------------------------|---------------------------|----------------------------|
| | Las Perillas Pumping Plant | Badger Hill Pumping Plant | Devil's Den Pumping Plant | Bluestone Pumping Plant | Polonio Pass Pumping Plant | Buena Vista Pumping Plant | Teerink Pumping Plant | Chrisman Pumping Plant | Edmonston Pumping Plant |
| 1 | 480 | 480 | 94 | 88 | 93 | 5,723 | 5,457 | 5,352 | 5,157 |
| 2 | 372 | 372 | 93 | 86 | 90 | 4,633 | 4,322 | 4,012 | 3,902 |
| 3 | 455 | 455 | 82 | 76 | 81 | 4,808 | 4,411 | 4,101 | 3,921 |
| 4 | 372 | 372 | 89 | 89 | 86 | 5,329 | 4,729 | 4,493 | 4,348 |
| 5 | 538 | 538 | 135 | 127 | 131 | 5,135 | 4,671 | 4,281 | 4,160 |
| 6 | 479 | 479 | 67 | 66 | 70 | 4,988 | 4,451 | 4,125 | 3,972 |
| 7 | 554 | 554 | 67 | 62 | 68 | 4,053 | 3,607 | 3,290 | 3,099 |
| 8 | 452 | 452 | 98 | 95 | 95 | 5,959 | 5,712 | 5,434 | 5,157 |
| 9 | 490 | 490 | 81 | 73 | 81 | 4,096 | 3,960 | 3,691 | 3,588 |
| 10 | 493 | 493 | 56 | 54 | 58 | 4,312 | 3,785 | 3,496 | 3,304 |
| 11 | 530 | 530 | 112 | 105 | 108 | 4,701 | 4,278 | 3,936 | 3,843 |
| 12 | 492 | 492 | 98 | 92 | 97 | 5,084 | 4,514 | 4,049 | 3,843 |
| 13 | 462 | 462 | 99 | 90 | 92 | 4,795 | 4,493 | 4,181 | 4,123 |
| 14 | 516 | 516 | 84 | 78 | 79 | 4,299 | 3,913 | 3,397 | 3,386 |
| 15 | 444 | 444 | 72 | 66 | 72 | 5,590 | 5,601 | 5,394 | 5,425 |
| 16 | 421 | 421 | 73 | 70 | 74 | 4,058 | 3,803 | 3,430 | 3,206 |
| 17 | 546 | 546 | 127 | 121 | 120 | 4,444 | 4,005 | 3,731 | 3,650 |
| 18 | 498 | 498 | 98 | 92 | 95 | 4,565 | 4,211 | 3,895 | 3,693 |
| 19 | 451 | 451 | 112 | 105 | 108 | 4,709 | 4,129 | 3,827 | 3,709 |
| 20 | 467 | 467 | 96 | 90 | 96 | 4,224 | 3,954 | 3,707 | 3,559 |
| 21 | 612 | 612 | 113 | 104 | 106 | 4,106 | 3,526 | 3,343 | 3,395 |
| 22 | 460 | 460 | 85 | 78 | 84 | 6,057 | 5,941 | 5,707 | 5,476 |
| 23 | 432 | 432 | 81 | 76 | 82 | 3,870 | 3,680 | 3,390 | 3,328 |
| 24 | 491 | 491 | 101 | 92 | 97 | 4,704 | 4,226 | 3,957 | 3,757 |
| 25 | 481 | 481 | 80 | 74 | 80 | 5,124 | 4,719 | 4,412 | 4,241 |
| 26 | 494 | 494 | 93 | 85 | 91 | 5,029 | 4,595 | 4,176 | 4,061 |
| 27 | 430 | 430 | 92 | 84 | 91 | 5,061 | 4,573 | 4,175 | 4,056 |
| 28 | 547 | 547 | 86 | 78 | 86 | 4,392 | 4,084 | 3,874 | 3,882 |
| 29 | 568 | 568 | 88 | 86 | 89 | 4,408 | 4,140 | 3,980 | 4,002 |
| 30 | 371 | 371 | 78 | 75 | 78 | 4,292 | 3,922 | 3,695 | 3,478 |
| 31 | 500 | 500 | 81 | 75 | 82 | 4,989 | 4,592 | 4,322 | 4,209 |
| Total | 14,898 | 14,898 | 2,811 | 2,632 | 2,760 | 147,537 | 136,004 | 126,853 | 122,930 |

Table 22a. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

July 2001

| Reach No. | Operating Pool | | | Turnout | Total Diversions | Deliveries | | | | | | | | |
|-----------|----------------------|--------------|--------|---|---|------------------------------|-------|-----------------------|-------------------|-----------------|-------------------|----------------------|-------|--|
| | Beginning and Ending | | | | | Entitlement | USBR | CVC Transfers | Purchase Pool A | Purchase Pool B | Dry Year Purchase | Other | | |
| | No. | Structure | Mile | | | | | | | | | | | |
| 7 | 21 | Check No. 21 | 172.40 | | 231,094 | | | | | | | | | |
| 8C | 22 | | 172.66 | Empire West Side Irrig. Dist. TL - A | 0 | 300 2,121 | | | 27 | 21 10 | 1,479 | | | |
| | | | | County of Kings TL - A | 300 | | | | | | | | | |
| | | | | TLBWS D TL-A | 2,121 | | | | | | | | | |
| | | | | 175.18 DRWD - 1 | 1,527 | | | | | | | | | |
| 8D | 22 | | 177.54 | DRWD - 1B | 176 | 166 829 332 7,386 | | | 24 85 | 19 161 | 1,831 | 2/ 1,574 1/ 3,458 | | |
| | | | | 180.64 TLBWS D - C | 0 | | | | | | | | | |
| | | | | 180.65 DRWD - 1A | 872 | | | | | | | | | |
| | | | | 182.99 DRWD - 2 | 3,983 | | | | | | | | | |
| | | | | 183.00 Tulare Lake Basin WSD TL - B | 10,844 | | | | | | | | | |
| | | | | 184.63 Coastal Branch | 14,898 | | | | | | | | | |
| 31A | | | 184.78 | Dudley Ridge Water Dist. DRWD - 3 | 3,025 | 3,025 | | | 136 | 211 | 3,310 | 1,574 | | |
| | | | | Dudley Ridge Reach 8D Total: | 9,583 | | | | | | | | | |
| | | | | Tulare Lake Basin WSD Total: | 14,465 | | | | | | | | | |
| 9 | 23 | | 184.82 | Check No. 22 | 184.82 | | | | | | | | | |
| | | | | 189.69 Kern County Water Agency Lost Hills Water Dist. - 1 | 7,454 | 4,457 1,327 569 874 | | | 232 | 287 | 2,765 | | | |
| | | | | 191.18 Kern County Water Agency Lost Hills Water Dist. - 2 | 1,614 | | | | | | | | | |
| | | | | 194.22 Kern County Water Agency Lost Hills Water Dist. - 3 | 569 | | | | | | | | | |
| | | | | 196.40 Kern County Water Agency Berrenda Mesa - 2 | 0 | | | | | | | | | |
| | | | | 196.75 Kern County Water Agency Lost Hills Water Dist. - 4 | 1,874 | | | | | | | | | |
| | | | | K.C.W.A. Reach 9 Subtotal: | 11,511 | | | | | | | | | |
| 10A | 24 | | 197.05 | Check No. 23 | 201.24 | 762 850 1,208 | | | 232 | 287 | 3,765 | 0 | | |
| | | | | 202.05 | Kern County Water Agency Lost Hills Water Dist. - 7 | | | | | | | | | |
| | | | | 204.69 | Kern County Water Agency Lost Hills Water Dist. - 5 | | | | | | | | | |
| | | | | 205.26 | Kern County Water Agency Lost Hills Water Dist. - 6 | | | | | | | | | |
| | | | | Check No. 24 | 207.94 | | | | | | | | | |
| | | | | 209.71 | Kern County Water Agency Belridge Water Storage Dist. - 1A | | 59 | 1,000 396 4,100 | 305 236 633 | 240 82 | 1,000 82 | 3/ 1,000 | | |
| 10A | 25 | | 209.78 | 209.78 | Kern National Wildlife Refuge USBR BV-1B | | | | | | | | | |
| | | | | 209.80 | Kern County Water Agency Buena Vista WSD 1B | | | | | | | | | |
| | | | | | KCWA Semitropic WSD | | | | | | | | | |
| | | | | | KCWA Semitropic WSD Penstocks | | | | | | | | | |
| | | | | | USBR Reach 10A Subtotal: | | | | | | | | | |
| | | | | | K.C.W.A. Reach 10A Subtotal: | 12,543 | 3,119 | 0 | 5,496 | 668 | 938 | 1,322 | 1,000 | |

1/ Lower Tule River ID transfer to Tulare Lake Basin WSD.

2/ San Gabriel Valley MWD returned exchange water to Dudley Ridge WD.

3/ Return of water that the contractor had pumped into the aqueduct.

Table 22b. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

July 2001

| Reach No. | Operating Pool | | | Turnout | Total Diversions | Deliveries | | | | | | | |
|-----------|----------------------|--|--------------|---|------------------|-------------|---------------|-----------------|-----------------|-------------------|------------|--|--|
| | Beginning and Ending | | | | | Entitlement | CVC Transfers | Purchase Pool A | Purchase Pool B | Dry Year Purchase | Outpump 2/ | | |
| | No. | Structure | Mile | | | | | | | | | | |
| 11B | 25 | Kern County Water Agency Belridge - 2 | 210.75 | Kern County Water Agency Belridge - 2 | 0 | 58 | 3,359 | 195 | 372 | 11,232 | | | |
| | | | 214.11 | Kern County Water Agency Belridge - 3 | 58 | | | | | | | | |
| | | | 216.62 | Kern County Water Agency Belridge - 4 | 0 | | | | | | | | |
| | | | 217.13 | Kern County Water Agency Belridge - 5 | 15,158 | | | | | | | | |
| | | | | Kern County Water Agency Belridge - 5D | 106 | | | | | | | | |
| | | Check No. 25 | 217.79 | | | | | | | | | | |
| | | | | K.C.W.A. Reach 11B Subtotal: | 15,322 | 3,523 | 0 | 195 | 0 | 372 | 11,232 | | |
| 12D | 26 | Kern County Water Agency Belridge - 6 | 219.58 | Kern County Water Agency Belridge - 6 | 0 | | | | | | | | |
| | | | Check No. 26 | 224.92 | | | | | | | | | |
| 12E | 27 | Kern County Water Agency Buena Vista - 6 | 230.37 | Kern County Water Agency Buena Vista - 6 | 5,148 | 2,295 | 1,600 | 449 | 804 | | | | |
| | | | Check No. 27 | 231.73 | | | | | | | | | |
| | 28 | Kern County Water Agency Buena Vista - 2 | 235.75 | Kern County Water Agency Buena Vista - 2 | 7,714 | 2,214 | 5,500 | | | | | | |
| | | | 238.04 | Kern County WA CVC | 0 | | | | | | | | |
| | | | | DRWD CVC | 0 | | | | | | | | |
| | | | | Tulare Co. | 0 | | | | | | | | |
| | | | | Lower Tule River | 0 | | | | | | | | |
| | | | | Fresno Co. | 0 | | | | | | | | |
| | | | | Pixley ID | 0 | | | | | | | | |
| | | | | Hacienda DWR Wells | 0 | | | | | | | | |
| | Check No. 28 | 238.11 | | | | | | | | | | | |
| | | | | USBR Reach 12E Subtotal: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | | | 1/ Arvin Edison Total: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | | | Reach 12E Subtotal: | 12,862 | 4,509 | 7,100 | 0 | 449 | 804 | 0 | | |
| 13B | 29 | Kern Water Bank Inflow | 238.19 | Kern Water Bank Inflow | 0 | 778 | 2,987 | 99 | | | | | |
| | | | | Kern Water Bank Outflow | 0 | | | | | | | | |
| | | | 241.02 | Kern River Intertie (inflow) | 0 | | | | | | | | |
| | | | 242.85 | KCWA Buena Vista WSD - 7 | 3,765 | | | | | | | | |
| | | | | KCWA Buena Vista WSD - 5 | 257 | | | | | | | | |
| | | | 243.09 | Kern County Water Agency Buena Vista - 3 | 2,735 | 735 | 2,000 | 145 | | | | | |
| | | | Check No. 29 | Buena Vista WSD | 0 | | | | | | | | |
| | | | 249.85 | Kern County Water Agency Buena Vista - 4 | 1,946 | | | | | | | | |
| | | | | Buena Vista Pumping Plant | 147,537 | | | | | | | | |
| | | | | K.C.W.A. Reach 13B Subtotal: | 8,703 | 2,472 | 5,987 | 99 | 145 | 0 | 0 | | |
| 14A | 31 | Kern County Water Agency West Kern - 2 | 254.47 | Kern County Water Agency West Kern - 2 | 0 | 45 | | | | | 17 | | |
| | | | 256.11 | Kern County Water Agency Wheeler Ridge-Maricopa - 2 | 62 | | | | | | | | |

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

2/ Return of water that the contractor had pumped into the aqueduct.

Table 22c. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

July 2001

| Reach No. | Operating Pool | | | Turnout | Total Diversions | Deliveries | | | | | | | |
|-----------|-------------------------|--------------|--------|---|------------------|-------------|------|-----------------|-----------------|-------------------|------------|--|--|
| | Beginning and Ending | | Mile | | | Entitlement | USBR | Purchase Pool A | Purchase Pool B | Dry Year Purchase | Outpump 1/ | | |
| | No. | Structure | | | | | | | | | | | |
| 14A | 31 | Check No. 31 | 256.14 | | | 427 | | 325 | | | 165 | | |
| | 32 | | 258.61 | Kern County Water Agency Wheeler Ridge-Maricopa - 3 | 592 | | | | | | | | |
| | | | 260.44 | Kern County Water Agency Wheeler Ridge-Maricopa - 4 | 1,948 | | | | | | | | |
| | Check No. 32 | | 261.72 | | | | | | | | | | |
| | | | | KCWA Reach 14A Subtotal: | 2,602 | | | | | | | | |
| 14B | 33 | | 264.42 | Kern County Water Agency Wheeler Ridge-Maricopa - 5 | 4,347 | 1,081 | | 325 | | 0 | 542 | | |
| | | | 266.91 | Kern County Water Agency Wheeler Ridge-Maricopa - 6 | 898 | | | | | | | | |
| | | | 267.36 | | | | | | | | | | |
| | 34 | | 270.24 | Kern County Water Agency Wheeler Ridge-Maricopa - 7 | 4,249 | 2,958 | | 430 | | 0 | 1,208 | | |
| | | | 271.27 | | | | | | | | | | |
| | | | | Reach 14B Total: | 9,494 | | | | | | | | |
| | | | | | | | | | | | | | |
| 14C | 35 | | 272.39 | Kern County Water Agency Wheeler Ridge-Maricopa - 8 | 2,820 | 2,036 | | | | 0 | 784 | | |
| | | | 276.09 | Kern County Water Agency Wheeler Ridge-Maricopa - 9 | 1,030 | | | | | | | | |
| | | | | Reach 14C Total: | 3,850 | | | | | | | | |
| | Teerink Pumping Plant | | 278.13 | | 136,004 | 744 | | | | | 286 | | |
| 15A | 36 | | 279.02 | Kern County Water Agency Wheeler Ridge-Maricopa - 9A | 504 | 2,780 | | 0 | 0 | 0 | 1,070 | | |
| | | | 280.06 | Kern County Water Agency Wheeler Ridge-Maricopa - 10 | 6,355 | | | | | | | | |
| | | | | Reach 15-A Total: | 6,859 | | | | | | | | |
| 16A | Chrismen Pumping Plant | | 280.36 | | 126,853 | | | | | | | | |
| | 37 | | 282.06 | Kern County Water Agency Wheeler Ridge-Maricopa - 11 | 0 | 364 | | | | 140 | | | |
| | | | 283.95 | | | | | | | | | | |
| | 38 | | 285.01 | Kern County Water Agency Wheeler Ridge-Maricopa - 12 | 20 | | | | | | | | |
| | | | 286.39 | Kern County Water Agency Wheeler Ridge-Maricopa - 13A | 155 | | | | | | | | |
| | | | 287.06 | Kern County Water Agency Wheeler Ridge-Maricopa - 13 | 0 | | | | | | | | |
| | Check No. 38 | | 287.09 | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | 39 | | 287.62 | Kern County Water Agency Wheeler Ridge-Maricopa - 13B | 156 | | | | | | | | |
| | | | 290.21 | | | | | | | | | | |
| 17E | 40 | | 291.26 | Kern County Water Agency Wheeler Ridge-Maricopa - 14 | 1,640 | 1,184 | | 0 | 0 | 0 | 456 | | |
| | | | 293.07 | Kern County Water Agency Wheeler Ridge-Maricopa - 15 | 582 | | | | | | | | |
| | | | | Kern County Water Agency Tehachapi Cummings CWD | 462 | | | | | | | | |
| | | | | K.C.W.A. Reach 16A Subtotal: | 3,015 | | | | | | | | |
| | Edmonston Pumping Plant | | 293.45 | | 122,930 | 2,311 | | | | | 162 | | |

1/ Return of water that the contractor had pumped into the aqueduct.

Table 23. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

July 2001

| Reach No. | Operating Pool | | | Turnout | Total Diversions | Deliveries | | | | | | | |
|-----------|----------------------|----------------------------|-----------|--|------------------|-------------|------|---------------|-----------------|-----------------|-------------------|------------|--|
| | Beginning and Ending | | Structure | | | Entitlement | USBR | CVC Transfers | Purchase Pool A | Purchase Pool B | Dry Year Purchase | Outpump 1/ | |
| | No. | Structure | Mile | | | | | | | | | | |
| 31A | C-1 | Coastal Branch Control | 0.02 | | 14,898 | 5 | 967 | 221 | 370 | 268 | 1,732 | | |
| | | Las Perillas Pumping Plant | 1.16 | | 14,898 | | | | | | | | |
| | C-2 | | 3.79 | Green Valley Water District | 0 | | | | | | | | |
| | | Badger Hill Pumping Plant | 4.27 | | 14,898 | | | | | | | | |
| | C-3 | Coastal Check No. 3 | 7.21 | | | | | | | | | | |
| | C-4 | | 9.34 | Castaic Lake WA (Devil's Den WD #1) | 5 | | | | | | | | |
| | | Coastal Check No. 4 | 9.34 | | | | | | | | | | |
| | C-5 | Coastal Check No. 5 | 12.20 | | | | | | | | | | |
| | C-6 | | 13.30 | Kern County Water Agency Berrenda Mesa - 3 | 1,605 | | | | | | | | |
| | | | 14.83 | Kern County Water Agency Berrenda Mesa - DD | 10,355 | | | | | | | | |
| | | | | Kern County Water Agency Berrenda Mesa - PO | 0 | | | | | | | | |
| | | Devil's Den Pumping Plant | 14.86 | | 2,811 | | | | | | | | |
| | | | | USBR Total: | 59 | | 59 | | | | | | |
| | | | | K.C.W.A. Reach 31A Subtotal: | 11,960 | 9,369 | 0 | 0 | 221 | 370 | 0 | 2,000 | |
| | | | | K.C.W.A. Total: | 98,721 | 47,330 | 0 | 18,583 | 1,740 | 2,619 | 7,064 | 21,385 | |
| 33A | C-7 | Bluestone Pumping Plant | 19.05 | | 2,632 | 2,294 | 450 | | | | | | |
| | C-8 | Polonio Pass Pumping Plant | 26.54 | | 2,760 | | | | | | | | |
| | C-9 | Tank Site 1 | 27.81 | (CCWA) Polonio Pass Treatment Plant | | | | | | | | | |
| | C-10 | Shandon T.O. | 38.23 | Santa Barbara County (CCWA) | 2,294 | | | | | | | | |
| | | Tank Site 2 | 58.63 | Central Coast: | 0 | | | | | | | | |
| 34 | C-11 | Chorro Valley T.O. | 69.31 | San Luis Obispo County (CCWA) | 450 | 2,744 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | Energy Dissipater | 78.12 | | | | | | | | | | |
| | | Lopez T.O. | 85.86 | SLOCFC & WCD | 0 | | | | | | | | |
| | | | | CCWA Total: | 2,744 | | | | | | | | |
| 35 | C-12 | Guadalupe T.O. | 102.70 | SBCFC & WCD | 0 | | | | | | | | |
| | | Santa Maria T.O. | 107.43 | SBCFC & WCD | 0 | | | | | | | | |
| | | So. Cal. Water T.O. | 109.20 | SBCFC & WCD | 0 | | | | | | | | |
| 38 | | | | SBCFC & WCD Total: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | Tank Site 5 | 115.42 | | | | | | | | | | |

1/ Return of water that the contractor had pumped into the aqueduct.

Table 24. Southern Field Division Plant Data

(in acre-feet)

July 2001

| Date | West Branch | | | | | East Branch | | | | | | | | Devil Canyon Powerplant Generation |
|-------|-------------------|------------------|---------|--------------------|----------|------------------|----------------------|------------------|---------------------------|--------------------------|---------|--------------|--------|------------------------------------|
| | Oso Pumping Plant | Warne Powerplant | | Castaic Powerplant | | Alamo Powerplant | | | Pearblossom Pumping Plant | Mojave Siphon Powerplant | | | | |
| | | Generation | Leakage | Generation | Pumpback | Generation | Bypass Through Plant | Cottonwood Chute | | Generation | Leakage | Bypass Flume | | |
| 1 | 1,000 | 7 | 0 | 115 | 6,654 | 3,641 | 0 | 526 | 3,828 | 3,637 | 0 | 0 | 2,236 | |
| 2 | 1,153 | 1,606 | 0 | 9,198 | 5,268 | 2,325 | 0 | 372 | 2,228 | 2,625 | 0 | 0 | 2,120 | |
| 3 | 1,183 | 1,634 | 0 | 9,568 | 6,662 | 2,411 | 0 | 256 | 2,147 | 2,179 | 0 | 0 | 2,106 | |
| 4 | 1,635 | 1,360 | 0 | 152 | 6,812 | 2,417 | 0 | 157 | 2,057 | 2,155 | 0 | 0 | 2,295 | |
| 5 | 1,663 | 1,437 | 0 | 4,574 | 3,542 | 2,405 | 0 | 98 | 2,145 | 2,060 | 0 | 0 | 2,224 | |
| 6 | 1,549 | 1,354 | 0 | 4,387 | 411 | 2,347 | 0 | 80 | 2,064 | 2,232 | 0 | 0 | 2,002 | |
| 7 | 1,217 | 1,399 | 0 | 4,193 | 4,723 | 1,739 | 0 | 97 | 1,542 | 1,576 | 0 | 0 | 2,228 | |
| 8 | 860 | 196 | 0 | 5,226 | 4,519 | 3,621 | 0 | 576 | 3,768 | 3,658 | 0 | 0 | 2,183 | |
| 9 | 1,278 | 1,550 | 0 | 4,373 | 4,998 | 1,101 | 0 | 1,198 | 1,947 | 2,282 | 0 | 0 | 2,053 | |
| 10 | 1,077 | 1,160 | 0 | 1,870 | 3,686 | 0 | 0 | 2,268 | 1,750 | 1,951 | 0 | 0 | 2,431 | |
| 11 | 1,338 | 1,543 | 0 | 4,999 | 696 | 0 | 0 | 2,480 | 2,012 | 2,100 | 0 | 0 | 2,507 | |
| 12 | 1,596 | 1,639 | 0 | 7,957 | 1,344 | 0 | 0 | 2,338 | 2,000 | 1,816 | 0 | 0 | 2,103 | |
| 13 | 2,044 | 1,773 | 0 | 5,574 | 834 | 0 | 0 | 2,111 | 1,866 | 1,985 | 0 | 0 | 2,058 | |
| 14 | 1,118 | 1,560 | 0 | 231 | 2,271 | 0 | 0 | 2,277 | 1,649 | 1,947 | 0 | 0 | 1,818 | |
| 15 | 1,418 | 1,076 | 0 | 316 | 5,531 | 0 | 0 | 4,062 | 3,226 | 2,820 | 0 | 0 | 1,997 | |
| 16 | 1,205 | 1,416 | 0 | 2,268 | 2,426 | 0 | 0 | 2,020 | 1,861 | 1,977 | 0 | 0 | 2,024 | |
| 17 | 1,580 | 1,833 | 0 | 8,503 | 42 | 0 | 0 | 2,061 | 1,510 | 1,741 | 0 | 0 | 1,943 | |
| 18 | 1,593 | 1,658 | 0 | 5,153 | 3,383 | 0 | 0 | 2,098 | 1,826 | 1,912 | 0 | 0 | 1,906 | |
| 19 | 1,587 | 1,769 | 0 | 7,070 | 3,591 | 0 | 0 | 2,097 | 1,819 | 1,936 | 0 | 0 | 1,902 | |
| 20 | 1,599 | 1,681 | 0 | 6,456 | 1,713 | 0 | 0 | 1,959 | 1,510 | 1,602 | 0 | 0 | 1,918 | |
| 21 | 1,441 | 1,165 | 0 | 373 | 2,581 | 0 | 0 | 1,973 | 1,313 | 1,440 | 0 | 0 | 1,795 | |
| 22 | 1,703 | 401 | 0 | 1,486 | 5,916 | 0 | 0 | 3,824 | 3,156 | 2,674 | 0 | 0 | 1,917 | |
| 23 | 1,333 | 1,815 | 0 | 5,880 | 4,219 | 0 | 0 | 1,987 | 1,517 | 2,042 | 0 | 0 | 1,826 | |
| 24 | 1,700 | 1,806 | 0 | 8,143 | 4,167 | 0 | 0 | 2,064 | 1,640 | 1,621 | 0 | 0 | 1,934 | |
| 25 | 1,918 | 1,860 | 0 | 5,766 | 3,887 | 0 | 0 | 2,312 | 1,749 | 1,855 | 0 | 0 | 2,173 | |
| 26 | 1,759 | 1,914 | 0 | 8,894 | 3,349 | 0 | 0 | 2,291 | 2,185 | 2,088 | 0 | 0 | 1,995 | |
| 27 | 1,712 | 1,915 | 0 | 8,029 | 3,357 | 0 | 0 | 2,324 | 1,532 | 1,688 | 0 | 0 | 2,006 | |
| 28 | 1,584 | 1,885 | 0 | 495 | 4,048 | 0 | 0 | 2,110 | 1,591 | 1,887 | 0 | 0 | 1,973 | |
| 29 | 1,049 | 123 | 0 | 91 | 4,990 | 0 | 0 | 2,875 | 2,789 | 2,418 | 0 | 0 | 2,076 | |
| 30 | 1,426 | 1,662 | 0 | 6,521 | 5,341 | 0 | 0 | 2,097 | 1,570 | 2,014 | 0 | 0 | 2,186 | |
| 31 | 1,875 | 1,771 | 0 | 9,140 | 3,713 | 0 | 0 | 2,295 | 1,860 | 1,835 | 0 | 0 | 2,147 | |
| Total | 45,193 | 43,968 | 0 | 147,001 | 114,674 | 22,007 | 0 | 55,283 | 63,657 | 65,753 | 0 | 0 | 64,082 | |

Table 25. Pyramid Lake
Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

July 2001

| Date | Water Surface Elevation (in feet) | Storage | Storage Change | Inflow | | | Outflow | | | Computed Losses (-) And Gains (+) |
|--------|--------------------------------------|---------|----------------|-----------------------------|------------------|-------------|-------------------------------|-----------------------|---------------|--------------------------------------|
| | | | | Project | | Natural | Project | | Natural | |
| | | | | Castaic Powerplant Pumpback | Warne Powerplant | Stream Flow | Castaic Powerplant Generation | Recreation Deliveries | To Piru Creek | |
| Jun 30 | 2566.59 | 155,585 | | | | | | | | |
| 1 | 2571.91 | 162,158 | 6,573 | 6,654 | 7 | 21 | 115 | 0 | 52 | 58 |
| 2 | 2569.22 | 158,813 | -3,345 | 5,268 | 1,606 | 21 | 9,198 | 0 | 52 | -990 |
| 3 | 2567.57 | 156,783 | -2,030 | 6,662 | 1,634 | 22 | 9,568 | 0 | 52 | -728 |
| 4 | 2574.03 | 164,826 | 8,043 | 6,812 | 1,360 | 23 | 152 | 0 | 52 | 52 |
| 5 | 2574.28 | 165,143 | 317 | 3,542 | 1,437 | 24 | 4,574 | 0 | 52 | -60 |
| 6 | 2572.08 | 162,371 | -2,772 | 411 | 1,354 | 28 | 4,387 | 0 | 52 | -126 |
| 7 | 2573.56 | 164,232 | 1,861 | 4,723 | 1,399 | 43 | 4,193 | 0 | 52 | -59 |
| 8 | 2573.06 | 163,589 | -643 | 4,519 | 196 | 36 | 5,226 | 1 | 52 | -115 |
| 9 | 2574.67 | 165,638 | 2,049 | 4,998 | 1,550 | 28 | 4,373 | 0 | 52 | -102 |
| 10 | 2576.97 | 168,575 | 2,937 | 3,686 | 1,160 | 26 | 1,870 | 0 | 52 | -13 |
| 11 | 2574.75 | 165,739 | -2,836 | 696 | 1,543 | 25 | 4,999 | 0 | 52 | -49 |
| 12 | 2570.51 | 160,411 | -5,328 | 1,344 | 1,639 | 23 | 7,957 | 0 | 52 | -325 |
| 13 | 2567.90 | 157,188 | -3,223 | 834 | 1,773 | 21 | 5,574 | 0 | 52 | -225 |
| 14 | 2570.78 | 160,747 | 3,559 | 2,271 | 1,560 | 21 | 231 | 0 | 52 | -10 |
| 15 | 2575.76 | 167,025 | 6,278 | 5,531 | 1,076 | 22 | 316 | 0 | 52 | 17 |
| 16 | 2576.98 | 168,588 | 1,563 | 2,426 | 1,416 | 22 | 2,268 | 0 | 52 | 19 |
| 17 | 2572.08 | 162,371 | -6,217 | 42 | 1,833 | 21 | 8,503 | 1 | 52 | 443 |
| 18 | 2571.40 | 161,520 | -851 | 3,383 | 1,658 | 21 | 5,153 | 0 | 52 | -708 |
| 19 | 2569.86 | 159,605 | -1,915 | 3,591 | 1,769 | 21 | 7,070 | 0 | 52 | -174 |
| 20 | 2567.08 | 156,184 | -3,421 | 1,713 | 1,681 | 20 | 6,456 | 0 | 52 | -327 |
| 21 | 2569.87 | 159,617 | 3,433 | 2,581 | 1,165 | 20 | 373 | 0 | 52 | 92 |
| 22 | 2573.72 | 164,434 | 4,817 | 5,916 | 401 | 20 | 1,486 | 0 | 52 | 18 |
| 23 | 2573.67 | 164,371 | -63 | 4,219 | 1,815 | 19 | 5,880 | 0 | 52 | -184 |
| 24 | 2571.70 | 161,895 | -2,476 | 4,167 | 1,806 | 19 | 8,143 | 1 | 52 | -272 |
| 25 | 2571.55 | 161,708 | -187 | 3,887 | 1,860 | 18 | 5,766 | 0 | 52 | -134 |
| 26 | 2568.02 | 157,335 | -4,373 | 3,349 | 1,914 | 17 | 8,894 | 0 | 52 | -707 |
| 27 | 2565.40 | 154,139 | -3,196 | 3,357 | 1,915 | 16 | 8,029 | 0 | 52 | -403 |
| 28 | 2569.91 | 159,666 | 5,527 | 4,048 | 1,885 | 16 | 495 | 0 | 54 | 127 |
| 29 | 2573.85 | 164,599 | 4,933 | 4,990 | 123 | 17 | 91 | 0 | 54 | -52 |
| 30 | 2574.12 | 164,940 | 341 | 5,341 | 1,662 | 18 | 6,521 | 0 | 54 | -105 |
| 31 | 2570.89 | 160,884 | -4,056 | 3,713 | 1,771 | 18 | 9,140 | 0 | 54 | -364 |
| Total | | | | 5,299 | 114,674 | 43,968 | 687 | 147,001 | 3 | 1,620 |
| | | | | | | | | | | -5,406 |

Table 26. Elderberry Forebay

Daily Operation

(in acre-feet except as noted)

Capacity: 32,746 ac-ft

July 2001

| Date | Water Surface Elevation (in feet) | Storage | Storage Change | Inflow | | Outflow | | | Computed Losses (-) And Gains (+) | |
|--------|-----------------------------------|---------|----------------|-------------------------------|---------|-----------------------------|-----------------|---------|-----------------------------------|--|
| | | | | Castaic Powerplant Generation | Natural | Castaic Powerplant Pumpback | To Castaic Lake | | | |
| | | | | | | | Natural | Project | | |
| Jun 30 | 1533.70 | 29,418 | | | | | | | | |
| 1 | 1519.20 | 22,901 | -6,517 | 115 | 0 | 6,654 | 0 | 0 | 22 | |
| 2 | 1524.02 | 24,982 | 2,081 | 9,198 | 0 | 5,268 | 0 | 1,851 | 2 | |
| 3 | 1525.80 | 25,771 | 789 | 9,568 | 0 | 6,662 | 0 | 2,116 | -1 | |
| 4 | 1509.88 | 19,138 | -6,633 | 152 | 0 | 6,812 | 0 | 0 | 27 | |
| 5 | 1507.00 | 18,048 | -1,090 | 4,574 | 0 | 3,542 | 0 | 2,120 | -2 | |
| 6 | 1517.06 | 22,005 | 3,957 | 4,387 | 0 | 411 | 0 | 0 | -19 | |
| 7 | 1515.83 | 21,498 | -507 | 4,193 | 0 | 4,723 | 0 | 0 | 23 | |
| 8 | 1517.68 | 22,263 | 765 | 5,226 | 0 | 4,519 | 0 | 0 | 58 | |
| 9 | 1509.67 | 19,057 | -3,206 | 4,373 | 0 | 4,998 | 0 | 2,580 | -1 | |
| 10 | 1504.80 | 17,237 | -1,820 | 1,870 | 0 | 3,686 | 0 | 0 | -4 | |
| 11 | 1506.19 | 17,747 | 510 | 4,999 | 0 | 696 | 0 | 3,793 | 0 | |
| 12 | 1522.91 | 24,496 | 6,749 | 7,957 | 0 | 1,344 | 0 | 0 | 136 | |
| 13 | 1525.43 | 25,606 | 1,110 | 5,574 | 0 | 834 | 0 | 3,630 | 0 | |
| 14 | 1520.73 | 23,553 | -2,053 | 231 | 0 | 2,271 | 0 | 0 | -13 | |
| 15 | 1507.65 | 18,291 | -5,262 | 316 | 0 | 5,531 | 0 | 0 | -47 | |
| 16 | 1506.90 | 18,011 | -280 | 2,268 | 0 | 2,426 | 0 | 0 | -122 | |
| 17 | 1517.21 | 22,067 | 4,056 | 8,503 | 0 | 42 | 0 | 4,405 | 0 | |
| 18 | 1522.74 | 24,422 | 2,355 | 5,153 | 0 | 3,383 | 0 | 0 | 585 | |
| 19 | 1521.71 | 23,975 | -447 | 7,070 | 0 | 3,591 | 0 | 3,887 | -39 | |
| 20 | 1532.46 | 28,831 | 4,856 | 6,456 | 0 | 1,713 | 0 | 0 | 113 | |
| 21 | 1527.37 | 26,477 | -2,354 | 373 | 0 | 2,581 | 0 | 0 | -146 | |
| 22 | 1517.19 | 22,059 | -4,418 | 1,486 | 0 | 5,916 | 0 | 0 | 12 | |
| 23 | 1513.91 | 20,720 | -1,339 | 5,880 | 0 | 4,219 | 0 | 3,002 | 2 | |
| 24 | 1523.97 | 24,960 | 4,240 | 8,143 | 0 | 4,167 | 0 | 0 | 264 | |
| 25 | 1518.75 | 22,711 | -2,249 | 5,766 | 0 | 3,887 | 0 | 4,126 | -2 | |
| 26 | 1532.00 | 28,614 | 5,903 | 8,894 | 0 | 3,349 | 0 | 0 | 358 | |
| 27 | 1532.92 | 29,048 | 434 | 8,029 | 0 | 3,357 | 0 | 4,236 | -2 | |
| 28 | 1524.94 | 25,389 | -3,659 | 495 | 0 | 4,048 | 0 | 0 | -106 | |
| 29 | 1513.40 | 20,516 | -4,873 | 91 | 0 | 4,990 | 0 | 0 | 26 | |
| 30 | 1516.62 | 21,823 | 1,307 | 6,521 | 0 | 5,341 | 0 | 0 | 127 | |
| 31 | 1522.75 | 24,426 | 2,603 | 9,140 | 0 | 3,713 | 0 | 2,824 | 0 | |
| Total | | | -4,992 | 147,001 | 0 | 114,674 | 0 | 38,570 | 1,251 | |

Table 27. Castaic Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

July 2001

| Date | Water Surface Elevation (in feet) | Storage | Storage Change | Inflow | | Outflow | | Computed Losses (-) And Gains (+) | |
|--------|-----------------------------------|---------|----------------|-------------------------|---------|---------|------------|-----------------------------------|--|
| | | | | From Elderberry Forebay | | Natural | Deliveries | | |
| | | | | Natural | Project | | | | |
| Jun 30 | 1492.84 | 276,377 | | | | | | | |
| 1 | 1492.03 | 274,724 | -1,653 | 0 | 0 | 0 | 1,723 | 0 | |
| 2 | 1492.52 | 275,726 | 1,002 | 0 | 1,851 | 0 | 1,830 | 0 | |
| 3 | 1492.88 | 276,459 | 733 | 0 | 2,116 | 0 | 1,944 | 0 | |
| 4 | 1491.98 | 274,629 | -1,830 | 0 | 0 | 0 | 1,903 | 0 | |
| 5 | 1492.22 | 275,116 | 487 | 0 | 2,120 | 0 | 1,638 | 0 | |
| 6 | 1491.47 | 273,595 | -1,521 | 0 | 0 | 0 | 1,541 | 0 | |
| 7 | 1490.62 | 271,878 | -1,717 | 0 | 0 | 0 | 1,680 | 0 | |
| 8 | 1489.87 | 270,370 | -1,508 | 0 | 0 | 0 | 1,492 | 0 | |
| 9 | 1490.38 | 271,394 | 1,024 | 0 | 2,580 | 0 | 1,581 | 0 | |
| 10 | 1489.54 | 269,706 | -1,688 | 0 | 0 | 0 | 1,651 | 0 | |
| 11 | 1490.55 | 271,737 | 2,031 | 0 | 3,793 | 0 | 1,620 | 52 | |
| 12 | 1489.71 | 270,048 | -1,689 | 0 | 0 | 0 | 1,585 | 60 | |
| 13 | 1490.78 | 272,201 | 2,153 | 0 | 3,630 | 0 | 1,548 | 60 | |
| 14 | 1490.03 | 270,690 | -1,511 | 0 | 0 | 0 | 1,708 | 20 | |
| 15 | 1489.31 | 269,243 | -1,447 | 0 | 0 | 0 | 1,427 | 0 | |
| 16 | 1488.53 | 267,679 | -1,564 | 0 | 0 | 0 | 1,566 | 0 | |
| 17 | 1489.68 | 269,987 | 2,308 | 0 | 4,405 | 0 | 1,554 | 0 | |
| 18 | 1488.93 | 268,480 | -1,507 | 0 | 0 | 0 | 1,526 | 0 | |
| 19 | 1490.15 | 270,931 | 2,451 | 0 | 3,887 | 0 | 1,495 | 0 | |
| 20 | 1489.37 | 269,364 | -1,567 | 0 | 0 | 0 | 1,579 | 0 | |
| 21 | 1488.62 | 267,859 | -1,505 | 0 | 0 | 0 | 1,548 | 0 | |
| 22 | 1487.87 | 266,359 | -1,500 | 0 | 0 | 0 | 1,515 | 0 | |
| 23 | 1488.71 | 268,039 | 1,680 | 0 | 3,002 | 0 | 1,465 | 0 | |
| 24 | 1487.90 | 266,419 | -1,620 | 0 | 0 | 0 | 1,574 | 0 | |
| 25 | 1489.16 | 268,942 | 2,523 | 0 | 4,126 | 0 | 1,611 | 0 | |
| 26 | 1488.50 | 267,619 | -1,323 | 0 | 0 | 0 | 1,342 | 0 | |
| 27 | 1490.18 | 270,991 | 3,372 | 0 | 4,236 | 0 | 1,144 | 0 | |
| 28 | 1489.55 | 269,726 | -1,265 | 0 | 0 | 0 | 1,231 | 0 | |
| 29 | 1489.01 | 268,641 | -1,085 | 0 | 0 | 0 | 1,150 | 0 | |
| 30 | 1488.44 | 267,498 | -1,143 | 0 | 0 | 0 | 1,109 | 0 | |
| 31 | 1489.39 | 269,404 | 1,906 | 0 | 2,824 | 0 | 1,181 | 0 | |
| Total | | | -6,973 | 0 | 38,570 | 0 | 47,461 | 192 | |
| | | | | | | | | 2,110 | |

Table 28. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

July 2001

| Reach No. | Operating Pool | | | Turnout | Total Diversions | Deliveries | | | | | |
|-----------|----------------------|-----------------------|-------|---|------------------|-------------|------|-----------------|-----------------|-------------------|---------|
| | Beginning and Ending | | No. | Structure | Mile | Entitlement | Rec. | Purchase Pool A | Purchase Pool B | Dry Year Purchase | CLWA T1 |
| | No. | Structure | | | | | | | | | |
| 29A | 42 | Oso Pumping Plant | 1.49 | | | 45,193 | | | | | |
| 29F | W2 | Quail Lake | 5.02 | Antelope Valley-East Kern Water Agency | Removed | | | | | | |
| | | Quail Lake Embankment | 7.82 | Antelope Valley-East Kern Water Agency | Stub | | | | | | |
| 29G | | Warne Power Plant | 14.07 | | | 43,968 | | | | | |
| 29H | W3 | Pyramid Lake | | Calif. State Park Pyramid Recreation | 3 | | 3 | | | | |
| | | Pyramid Dam | 17.10 | Piru Creek Fish Enhancement | 0 | | | | | | |
| | | Castaic Power Plant | 25.82 | (114,674 AF pumpback) | 147,001 | | | | | | |
| 29J | W4 | Elderberry Forebay | | | | | | | | | |
| | | Forebay Dam | 28.12 | | | | | | | | |
| | | Castaic Lake | | Calif. State Park Castaic Lake Recreation | 43 | | | | | | |
| 30 1/ | W5 | Castaic Dam | 31.47 | | | | | | | | |
| | | Castaic Lake Outlet | 31.55 | MWD - 78" | 0 | | | | | | |
| | | | | MWD - 132" | 43,453 | | | | | | |
| | | | | Castaic Lake WA - T1 | 1,262 | | | | | | |
| | | | | Castaic Lake WA | 2,549 | | | | | | |
| | | | | United Water Conservation Dist. | 0 | | | | | | |
| | | | | MWD - Ventura County FCD | 154 | | | | | | |
| | | | | LA Co. Parks & Recreation | 0 | | | | | | |
| | | | | Releases to Lagoon | 192 | | | | | | |
| | | | | Reach 30 Subtotal: | 47,461 | 30,015 | 43 | 42 | 100 | 15,999 | 1,262 |
| | W6 | Castaic Lagoon | | Recreation to Lagoon | 192 | | 192 | | | | |
| | | Castaic Lagoon Outlet | 31.87 | | 149 | | | | | | |
| | | | | | | | | | | | |

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

Table 29. Silverwood Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

July 2001

| Date | Water Surface Elevation (in feet) | Storage | Storage Change | Inflow | | | Outflow | | | | | Computed Losses (-) And Gains (+) | Las Flores Ranch Exchange 1/ |
|--------|-----------------------------------|---------|----------------|---------------------------|---------------------|---------------------|--------------------|------|-----------------------|---------------------|-------------------------|-----------------------------------|------------------------------|
| | | | | | | | Project | | | Del. To Mojave W.A. | Natural To Mojave River | | |
| Jun 30 | 3349.09 | 69,323 | | Mojave Siphon Power-plant | Mojave Bypass Flume | Natural Stream Flow | Delivered to CLAWA | Rec. | San Bernardino Tunnel | | | | |
| 1 | 3350.55 | 70,694 | 1,371 | 3,637 | 0 | 0 | 6 | 0 | 2,236 | 0 | 0 | -24 | 4 |
| 2 | 3351.12 | 71,235 | 541 | 2,625 | 0 | 0 | 6 | 0 | 2,120 | 0 | 1 | 43 | 4 |
| 3 | 3351.07 | 71,188 | -47 | 2,179 | 0 | 0 | 6 | 1 | 2,106 | 0 | 0 | -113 | 4 |
| 4 | 3350.90 | 71,026 | -162 | 2,155 | 0 | 0 | 9 | 0 | 2,295 | 0 | 1 | -12 | 2 |
| 5 | 3350.85 | 70,979 | -47 | 2,060 | 0 | 0 | 7 | 0 | 2,224 | 0 | 0 | 124 | 2 |
| 6 | 3351.04 | 71,159 | 180 | 2,232 | 0 | 0 | 6 | 1 | 2,002 | 0 | 0 | -43 | 2 |
| 7 | 3350.38 | 70,535 | -624 | 1,576 | 0 | 0 | 6 | 0 | 2,228 | 0 | 0 | 34 | 0 |
| 8 | 3351.85 | 71,930 | 1,395 | 3,658 | 0 | 0 | 6 | 0 | 2,183 | 0 | 0 | -74 | 0 |
| 9 | 3352.14 | 72,207 | 277 | 2,282 | 0 | 0 | 5 | 1 | 2,053 | 0 | 1 | 55 | 2 |
| 10 | 3351.63 | 71,720 | -487 | 1,951 | 0 | 0 | 6 | 0 | 2,431 | 0 | 0 | -1 | 2 |
| 11 | 3351.15 | 71,264 | -456 | 2,100 | 0 | 0 | 5 | 1 | 2,507 | 0 | 1 | -42 | 2 |
| 12 | 3350.84 | 70,970 | -294 | 1,816 | 0 | 0 | 6 | 0 | 2,103 | 0 | 0 | -1 | 2 |
| 13 | 3350.73 | 70,865 | -105 | 1,985 | 0 | 0 | 5 | 1 | 2,058 | 0 | 1 | -25 | 2 |
| 14 | 3350.81 | 70,941 | 76 | 1,947 | 0 | 0 | 6 | 0 | 1,818 | 0 | 0 | -47 | 2 |
| 15 | 3351.68 | 71,768 | 827 | 2,820 | 0 | 0 | 5 | 1 | 1,997 | 0 | 0 | 10 | 2 |
| 16 | 3351.57 | 71,663 | -105 | 1,977 | 0 | 0 | 6 | 0 | 2,024 | 0 | 1 | -51 | 2 |
| 17 | 3351.40 | 71,501 | -162 | 1,741 | 0 | 0 | 5 | 1 | 1,943 | 0 | 0 | 46 | 2 |
| 18 | 3351.32 | 71,425 | -76 | 1,912 | 0 | 0 | 4 | 0 | 1,906 | 0 | 1 | -77 | 2 |
| 19 | 3351.38 | 71,482 | 57 | 1,936 | 0 | 0 | 3 | 1 | 1,902 | 0 | 0 | 27 | 2 |
| 20 | 3350.92 | 71,045 | -437 | 1,602 | 0 | 0 | 6 | 0 | 1,918 | 0 | 0 | -115 | 2 |
| 21 | 3350.66 | 70,799 | -246 | 1,440 | 0 | 0 | 5 | 1 | 1,795 | 0 | 0 | 115 | 2 |
| 22 | 3351.37 | 71,473 | 674 | 2,674 | 0 | 0 | 6 | 0 | 1,917 | 0 | 1 | -76 | 2 |
| 23 | 3351.55 | 71,644 | 171 | 2,042 | 0 | 0 | 5 | 1 | 1,826 | 0 | 0 | -39 | 2 |
| 24 | 3351.22 | 71,330 | -314 | 1,621 | 0 | 0 | 5 | 0 | 1,934 | 0 | 1 | 5 | 2 |
| 25 | 3350.92 | 71,045 | -285 | 1,855 | 0 | 0 | 6 | 1 | 2,173 | 0 | 0 | 40 | 2 |
| 26 | 3350.93 | 71,055 | 10 | 2,088 | 0 | 0 | 6 | 0 | 1,995 | 0 | 1 | -76 | 2 |
| 27 | 3350.59 | 70,733 | -322 | 1,688 | 0 | 0 | 6 | 1 | 2,006 | 0 | 0 | 3 | 2 |
| 28 | 3350.49 | 70,639 | -94 | 1,887 | 0 | 0 | 7 | 0 | 1,973 | 0 | 1 | 0 | 2 |
| 29 | 3350.82 | 70,951 | 312 | 2,418 | 0 | 0 | 6 | 1 | 2,076 | 0 | 0 | -23 | 2 |
| 30 | 3350.62 | 70,761 | -190 | 2,014 | 0 | 0 | 7 | 0 | 2,186 | 0 | 1 | -10 | 2 |
| 31 | 3350.17 | 70,337 | -424 | 1,835 | 0 | 0 | 7 | 0 | 2,147 | 0 | 0 | -105 | 2 |
| Total | | | | 1,014 | 65,753 | 0 | 180 | 13 | 64,082 | 0 | 12 | -452 | 64 |

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.

Table 30. Lake Perris

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

July 2001

| Date | Water Surface Elevation (in feet) | Storage | Storage Change | Inflow 1/ | Outflow 2/ | Computed Losses (-) Gains (+) 1/ |
|--------------|-----------------------------------|---------|----------------|-----------|------------|--|
| Jun 30 | 1582.23 | 113,880 | | | | |
| 1 | 1582.23 | 113,871 | -9 | | 9 | |
| 2 | 1582.25 | 113,924 | 53 | | 10 | |
| 3 | 1582.25 | 113,924 | 0 | | 10 | |
| 4 | 1582.25 | 113,924 | 0 | | 10 | |
| 5 | 1582.25 | 113,924 | 0 | | 10 | |
| 6 | 1582.25 | 113,924 | 0 | | 10 | |
| 7 | 1582.21 | 113,836 | -88 | | 10 | |
| 8 | 1582.19 | 113,792 | -44 | | 10 | |
| 9 | 1582.19 | 113,792 | 0 | | 10 | |
| 10 | 1582.17 | 113,748 | -44 | | 10 | |
| 11 | 1582.15 | 113,704 | -44 | | 10 | |
| 12 | 1582.16 | 113,726 | 22 | | 11 | |
| 13 | 1582.20 | 113,814 | 88 | | 9 | |
| 14 | 1582.23 | 113,880 | 66 | | 11 | |
| 15 | 1582.28 | 113,990 | 110 | | 11 | |
| 16 | 1582.38 | 114,210 | 220 | | 11 | |
| 17 | 1582.46 | 114,386 | 176 | | 11 | |
| 18 | 1582.56 | 114,607 | 221 | | 11 | |
| 19 | 1582.64 | 114,783 | 176 | | 11 | |
| 20 | 1582.77 | 115,070 | 287 | | 12 | |
| 21 | 1582.85 | 115,247 | 177 | | 10 | |
| 22 | 1582.92 | 115,402 | 155 | | 10 | |
| 23 | 1583.03 | 115,645 | 243 | | 11 | |
| 24 | 1583.10 | 115,800 | 155 | | 11 | |
| 25 | 1583.16 | 115,933 | 133 | | 10 | |
| 26 | 1583.24 | 116,110 | 177 | | 11 | |
| 27 | 1583.36 | 116,376 | 266 | | 11 | |
| 28 | 1583.45 | 116,576 | 200 | | 11 | |
| 29 | 1583.53 | 116,753 | 177 | | 11 | |
| 30 | 1583.60 | 116,909 | 156 | | 11 | |
| 31 | 1583.72 | 117,176 | 267 | | 11 | |
| Total | | 3,296 | 5,901 | 325 | -2,280 | |

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at lake Perris.

Table 31a. Governor Edmund G. Brown California Aqueduct
 Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

July 2001

| Reach No. | Operating Pool | | | Turnout | Total Diversions | Deliveries | | | | | | | | | |
|-----------|----------------------|-------------------------|--------|---|------------------|-----------------------------------|-------------|-------------|-------------------|--------------------|--|--|--|--|--|
| | Beginning and Ending | | | | | Entitlement | Rec. | Transfer 1/ | Dry Year Purchase | Transfer Local Out | | | | | |
| | No. | Structure | Mile | | | | | | | | | | | | |
| 17E | 40 | Edmonston Pumping Plant | 293.45 | | 122,930 | | | | | | | | | | |
| | 41 | | 298.65 | | | Kern County Water Agency Tej.-Cas | Stub | | | | | | | | |
| 17F | | Check No. 41 | 303.41 | | | | | | | | | | | | |
| 18A | 42 | Check No. 42 | 304.99 | | | | | | | | | | | | |
| 19 | 43 | Alamo Powerplant | 305.73 | (Does not include 55,283 AF flow down Cottonwood Chute) | 22,007 | 65 | 2,346 | 203 | 1,457 | 0 | | | | | |
| | | | 308.05 | Antelope Valley-East Kern WA | 0 | | | | | | | | | | |
| | | Check No. 43 | 309.70 | | | | | | | | | | | | |
| | 44 | | 311.84 | LADWP Connection | 0 | | | | | | | | | | |
| | | | 313.50 | AVEK 245th Street West | 0 | | | | | | | | | | |
| | Check No. 44 | | 314.81 | | | | | | | | | | | | |
| | 45 | | 314.93 | AVEK 235th Street West | 65 | | | | | | | | | | |
| | | | 315.57 | AVEK 225th Street West | 0 | | | | | | | | | | |
| | 46 | Check No. 45 | 319.74 | Antelope Valley-East Kern WA Fairmont | 4,006 | | | | | | | | | | |
| | | | 323.19 | | | | | | | | | | | | |
| | Check No. 46 | | 323.84 | | | | | | | | | | | | |
| | | | | Reach 19 Total: | 4,071 | | | | | | | | | | |
| 20A | 47 | Check No. 47 | 326.77 | | | 130 | 2,346 | 203 | 1,457 | 0 | | | | | |
| | 48 | | 326.91 | Antelope Valley-East Kern WA Willow Springs Siphon | 131 | | | | | | | | | | |
| | | | 329.65 | Antelope Valley-East Kern WA 120th Street West | Removed | | | | | | | | | | |
| | | Check No. 48 | 330.82 | | | | | | | | | | | | |
| | 49 | Check No. 49 | 335.93 | | | | | | | | | | | | |
| 20B | 50 | | 336.73 | AVEK WA - Quartz Hill (Wheeled for Palmdale WD) | 0 | 2,155 126 | 1,662 29 | 203 34 | 1,457 34 | 0 49 | | | | | |
| | | | 339.68 | Antelope Valley-East Kern WA | 4,112 | | | | | | | | | | |
| | | Check No. 50 | 341.51 | Antelope Valley-East Kern WA | 126 | | | | | | | | | | |
| | 51 | Check No. 51 | 342.07 | | | | | | | | | | | | |
| | 52 | | 342.80 | Antelope Valley-East Kern WA 30th Street West | Not in Use | | | | | | | | | | |
| | | Check No. 52 | 343.74 | | | | | | | | | | | | |
| | 53 | | 346.98 | PWD Palmdale | 1,662 | | | | | | | | | | |
| | | | 348.14 | Antelope Valley-East Kern WA Acton Treatment Plant | 29 | | | | | | | | | | |
| 21 | Check No. 53 | | 348.17 | | | | | | | | | | | | |
| | 54 | Check No. 54 | 350.25 | | | | | | | | | | | | |
| | 55 | Check No. 55 | 352.70 | | | | | | | | | | | | |
| | 56 | Check No. 56 | 354.76 | | | | | | | | | | | | |
| | | | 354.97 | Littlerock Creek I.D. | 0 | | | | | | | | | | |
| 22A | 57 | Check No. 57 | 356.93 | | | 165 490 | 1,662 29 | 203 34 | 1,457 34 | 0 49 | | | | | |
| | | | 357.60 | Antelope Valley-East Kern WA | 34 | | | | | | | | | | |
| | 58 | | 357.72 | Antelope Valley-East Kern WA 96th Street East | 214 | | | | | | | | | | |
| | | | 359.82 | Antelope Valley-East Kern WA East Side Treatment Plant | 490 | | | | | | | | | | |

1/ AVEK transferred this water to Mojave Water Agency.

Table 31b. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch, Continued)

July 2001

(In acre-feet)

| Reach No. | Operating Pool | | | Turnout | Total Diversions | Deliveries | | | | | | | |
|-----------|--|---------------------------|---|---|------------------|-------------|-----|-----------------|-----------------|-------------------|--------|--|--|
| | Beginning and Ending | | | | | Entitlement | Rec | Purchase Pool A | Purchase Pool B | Dry Year Purchase | Local | | |
| | No. | Structure | Mile | | | | | | | | | | |
| 22B | 58 | Pearblossom Pumping Plant | 360.61 | | 63,657 | 105 | 13 | 167 | 3,267 | 2,381 | 19,713 | | |
| | 59 | Check No. 59 | 366.09 | | | | | | | | | | |
| | 60 | Check No. 60 | 373.94 | | | | | | | | | | |
| | 61 | Check No. 61 | 379.00 | | | | | | | | | | |
| | 62 | Check No. 62 | 384.26 | | | | | | | | | | |
| | 63 | Check No. 63 | 389.20 | Mojave Water Agency Mojave River | 0 | | | | | | | | |
| | 64 | Check No. 64 | 395.10 | | | | | | | | | | |
| | 65 | Check No. 65 | 400.32 | Mojave Water Agency Morongo 24" and 42" | 105 | | | | | | | | |
| | 66 | | 401.10 | | 0 | | | | | | | | |
| | | | | | | | | | | | | | |
| 23 | Check No. 66 | 403.41 | | 64 | | 13 | 167 | 13 | 3,267 | 2,381 | 19,713 | | |
| | Mojave Siphon | 405.48 | Las Flores Ranch | | 64 | | | | | | | | |
| | Mojave Siphon Powerplant | 405.65 | | | 65,753 | | | | | | | | |
| 24 | Silverwood Lake | 407.65 | Crestline Lake Arrowhead Water Agency | 13 | 180 | 13 | 167 | 13 | 3,267 | 2,381 | 19,713 | | |
| | | | Calif. State Park Silverwood Agency (Rec.) | | 13 | | | | | | | | |
| 25 | San Bernardino Tunnel | 411.46 | | | 0 | | | | | | | | |
| | | | San Gorgonio Pass Water Agency | | 0 | | | | | | | | |
| 26A | Devil Canyon Powerplant | 412.73 | | 64,082 | | 13 | 167 | 13 | 3,267 | 2,381 | 19,713 | | |
| | Devil Canyon Afterbay Control Structures | 412.88 | MWD-SC Rialto | | 22,980 | | | | | | | | |
| | | | Desert Water Agency (MWD Wheeling Exchange) | | 2,381 | | | | | | | | |
| | | | San Gabriel Valley Water District | | 0 | | | | | | | | |
| | | | Coachella Valley WD (MWD Wheeling Exchange) | | 1,925 | | | | | | | | |
| | | | San Bernardino Valley MWD 24" and 72" | | 2,268 | | | | | | | | |
| | | | San Bernardino Valley MWD 48" | | 292 | | | | | | | | |
| | | | MWD (SBVMWD Exchange) | | 0 | | | | | | | | |
| 28G | Santa Ana Valley Pipeline | 425.46 | | 13 | | 13 | 167 | 13 | 3,267 | 2,381 | 19,713 | | |
| 28H | | 433.06 | MWD-SC Box Springs | | 10,130 | | | | | | | | |
| | | 440.05 | MWD-SC Perris Bypass Pipeline | | 19,114 | | | | | | | | |
| 28J | Lake Perris | 442.00 | MWD-SC 18" | 277 | 277 | 1 | 1 | 47 | 1 | 47 | 19,713 | | |
| | | 443.44 | MWD-SC 54" | | 1 | | | | | | | | |
| | | | MWD-SC 78" | | 0 | | | | | | | | |
| | | | Calif. State Park Lake Perris Recreation | | 47 | | | | | | | | |
| | | | MWD Total: | | 101,677 | | | | | | | | |

Table 32. Water Quality At Selected SWP Locations

July 2001

| Constituent | Units | Thermalito Afterbay At Outlet | North Bay Aqueduct Barker Slough Pumping Plant | Banks Pumping Plant | Delta Mendota Canal At McCabe Rd. | California Aqueduct | | | | Devil Canyon Afterbay Near San Bernardino |
|----------------------------|---------------------------|--|---|------------------------|--|--|---------------------------------|-------------------------------|-------------------------------------|--|
| | | | | | | O'Neill Forebay Outlet (Check 13) | Kettleman City (Check 21) | Near Hwy 119 (Check 29) | Tehachapi Afterbay (Check 41) | |
| Alkalinity | mg/l as CaCO ₃ | 40 | 81 | 69 | 72 | 74 | 76 | 78 | 76 | 79 |
| Antimony | mg/l | NR | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | NR |
| Arsenic | mg/l | <0.001 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.004 | 0.002 | 0.003 |
| Beryllium | mg/l | NR | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Boron | mg/l | <0.1 | 0.1 | <0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 |
| Bromide | mg/l | NR | 0.02 | 0.14 | 0.14 | 0.17 | 0.17 | 0.19 | 0.21 | 0.22 |
| Calcium | mg/l | 8 | 14 | 15 | 17 | 18 | 20 | 22 | 22 | 23 |
| Carbon - Dissolved Organic | mg/l as C | NR | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Carbon - Total Organic | mg/l as C | NR | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Chloride | mg/l | <1 | 13 | 48 | 49 | 56 | 58 | 66 | 72 | 75 |
| Chromium | mg/l | 0.002 | 0.006 | 0.006 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| Copper | mg/l | <0.001 | 0.003 | 0.004 | 0.002 | 0.003 | 0.005 | 0.004 | 0.001 | 0.002 |
| Fluoride | mg/l | <0.1 | 0.1 | <0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Hardness | mg/l as CaCO ₃ | 36 | 76 | 79 | 88 | 90 | 99 | 104 | 104.5 | 107 |
| Iron | mg/l | 0.006 | 0.008 | 0.006 | <0.005 | 0.025 | 0.030 | <0.005 | <0.005 | <0.005 |
| Lead | mg/l | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Magnesium | mg/l | 4 | 10 | 10 | 11 | 11 | 12 | 12 | 12.1 | 12 |
| Manganese | mg/l | <0.005 | 0.010 | 0.005 | <0.005 | 0.006 | <0.005 | <0.005 | <0.005 | <0.005 |
| Nitrate + Nitrite | mg/l as N | <0.01 | 0.31 | 0.43 | NR | NR | 0.43 | NR | 0.75 | 0.60 |
| Phosphorus-Ortho | mg/l as P | <0.01 | 0.10 | 0.10 | NR | NR | 0.08 | NR | 0.08 | 0.06 |
| Phosphorus-Total | mg/l | <0.01 | 0.18 | 0.12 | NR | NR | 0.08 | NR | 0.12 | 0.04 |
| Selenium | mg/l | NR | <0.001 | 0.001 | NR | NR | <0.001 | 0.001 | <0.001 | NR |
| Sodium | mg/l | 3 | 19 | 33 | 37 | 41 | 44 | 50 | 53.4 | 56 |
| Specific Conductance | µS/cm | 87 | 239 | 346 | 360 | 396 | 417 | 459 | 478 | 494 |
| Sulfate | mg/l | 2 | 15 | 24 | 26 | 32 | 37 | 43 | 42 | 44 |
| Total Dissolved Solids | mg/l | 56 | 145 | 199 | 218.5 | 239 | 263 | 291 | 290.5 | 292 |
| Turbidity | NTU | 3 | 50 | 32 | 15 | 14 | 2 | 19 | 13 | 3 |
| Zinc | mg/l | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.010166667 | <0.005 |

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

Table 33. Water Quality At Selected Delta Stations

July 2001

| Date | Tides (feet above mean sea level) | | Flow In CFS | | Electrical Conductivity in milliSiemens/cm | | | | | | | | Cl in mg/l | | |
|------|--------------------------------------|------|----------------------------|--------------------|--|---------|-------------------|---------|------|-----------------|------|------------------|-----------------|---------------------------|----|
| | | | Net Delta Outflow Index | | Rio Vista | Antioch | Chippis island | Emmaton | | Jersey Point | | Clifton Court | Cache Slough | Delta Mendota Canal | |
| | (Antioch) Daily Mean | | Mean Daily | Monthly Average | | | | md | md | md | 14dm | md | 14dm | md | md |
| | Hi | Half | | | | | | md | md | md | 14dm | md | 14dm | md | md |
| 1 | 3.03 | 0.95 | 7,515 | 7,515 | 8,287 | 1.78 | 6.53 | 0.46 | 0.75 | 0.39 | 0.44 | 0.36 | 0.58 | 0.32 | 43 |
| 2 | 3.08 | 1.01 | 7,139 | 7,327 | 8,156 | 1.91 | 6.58 | 0.50 | 0.76 | 0.43 | 0.44 | 0.34 | 0.57 | 0.33 | 45 |
| 3 | 3.30 | 1.26 | 7,583 | 7,412 | 7,858 | 2.05 | 7.39 | 0.61 | 0.76 | 0.49 | 0.45 | 0.33 | 0.56 | 0.34 | 44 |
| 4 | 3.56 | 1.47 | 6,494 | 7,183 | 7,744 | 2.39 | 8.29 | 0.80 | 0.77 | 0.57 | 0.46 | 0.35 | 0.51 | 0.34 | 45 |
| 5 | 3.54 | 1.58 | 6,233 | 6,993 | 7,406 | 2.68 | 8.94 | 0.81 | 0.75 | 0.62 | 0.47 | 0.35 | 0.47 | 0.34 | 46 |
| 6 | 3.69 | 1.59 | 5,696 | 6,777 | 7,461 | 2.78 | 9.14 | 0.97 | 0.75 | 0.66 | 0.48 | 0.36 | 0.44 | 0.34 | 44 |
| 7 | 3.34 | 1.52 | 5,351 | 6,573 | 8,018 | 2.54 | 8.75 | 0.81 | 0.71 | 0.63 | 0.48 | 0.37 | 0.44 | 0.34 | 44 |
| 8 | 3.23 | 1.45 | 5,408 | 6,427 | 8,014 | 2.52 | 8.70 | 0.74 | 0.69 | 0.62 | 0.49 | 0.36 | 0.43 | 0.32 | 44 |
| 9 | 3.14 | 0.00 | 4,723 | 6,238 | 8,146 | 2.39 | 0.00 | 0.85 | 0.67 | 0.65 | 0.50 | 0.36 | 0.46 | 0.32 | 45 |
| 10 | 2.39 | 0.00 | 4,120 | 6,026 | 8,035 | 2.51 | 0.00 | 0.97 | 0.68 | 0.66 | 0.52 | 0.35 | 0.49 | 0.34 | 44 |
| 11 | 2.61 | 1.31 | 4,543 | 5,891 | 7,875 | 2.54 | 8.54 | 0.86 | 0.70 | 0.64 | 0.53 | 0.35 | 0.50 | 0.34 | 44 |
| 12 | 2.33 | 0.98 | 3,750 | 5,713 | 7,934 | 2.16 | 7.56 | 0.52 | 0.70 | 0.57 | 0.55 | 0.37 | 0.51 | 0.36 | 45 |
| 13 | 2.52 | 0.89 | 4,012 | 5,582 | 7,754 | 2.11 | 7.26 | 0.45 | 0.70 | 0.58 | 0.56 | 0.38 | 0.52 | 0.35 | 46 |
| 14 | 2.76 | 0.90 | 4,163 | 5,481 | 7,686 | 2.08 | 7.70 | 0.50 | 0.70 | 0.61 | 0.58 | 0.40 | 0.52 | 0.35 | 49 |
| 15 | 3.27 | 1.13 | 4,530 | 5,417 | 7,550 | 2.27 | 8.55 | 0.59 | 0.71 | 0.67 | 0.60 | 0.42 | 0.50 | 0.35 | 51 |
| 16 | 3.27 | 1.22 | 4,367 | 5,352 | 7,652 | 2.77 | 9.76 | 0.74 | 0.73 | 0.76 | 0.62 | 0.43 | 0.51 | 0.35 | 52 |
| 17 | 3.36 | 1.21 | 4,607 | 5,308 | 7,966 | 2.97 | 9.50 | 0.82 | 0.74 | 0.78 | 0.64 | 0.39 | 0.52 | 0.35 | 51 |
| 18 | 3.49 | 1.33 | 4,581 | 5,267 | 7,961 | 3.27 | 9.99 | 0.97 | 0.76 | 0.86 | 0.66 | 0.35 | 0.53 | 0.35 | 58 |
| 19 | 3.77 | 1.48 | 4,498 | 5,227 | 7,666 | 3.62 | 11.23 | 1.28 | 0.79 | 0.98 | 0.69 | 0.35 | 0.48 | 0.35 | 62 |
| 20 | 3.88 | 1.46 | 4,079 | 5,170 | 7,960 | 3.77 | 11.46 | 1.36 | 0.82 | 1.06 | 0.72 | 0.34 | 0.50 | 0.35 | 65 |
| 21 | 3.81 | 1.49 | 4,517 | 5,139 | 8,175 | 3.66 | 11.31 | 1.51 | 0.87 | 1.05 | 0.75 | 0.34 | 0.53 | 0.35 | 65 |
| 22 | 3.61 | 1.38 | 5,039 | 5,134 | 8,369 | 3.55 | 10.72 | 1.45 | 0.92 | 1.01 | 0.78 | 0.35 | 0.54 | 0.35 | 71 |
| 23 | 3.48 | 1.42 | 5,338 | 5,143 | 8,412 | 3.58 | 11.07 | 1.38 | 0.96 | 1.03 | 0.80 | 0.35 | 0.55 | 0.35 | 73 |
| 24 | 3.27 | 1.53 | 5,415 | 5,154 | 8,248 | 3.70 | 11.49 | 1.45 | 0.99 | 1.09 | 0.83 | 0.37 | 0.57 | 0.35 | 73 |
| 25 | 3.02 | 1.57 | 4,336 | 5,122 | 8,325 | 3.95 | 11.40 | 1.45 | 1.03 | 1.10 | 0.87 | 0.39 | 0.57 | 0.37 | 72 |
| 26 | 3.05 | 1.40 | 4,669 | 5,104 | 8,457 | 3.67 | 10.57 | 1.01 | 1.07 | 1.06 | 0.90 | 0.41 | 0.58 | 0.37 | 73 |
| 27 | 3.14 | 1.29 | 4,660 | 5,088 | 8,519 | 3.07 | 10.02 | 0.83 | 1.10 | 1.04 | 0.94 | 0.43 | 0.57 | 0.39 | 73 |
| 28 | 3.23 | 1.30 | 4,784 | 5,077 | 8,666 | 3.24 | 10.03 | 0.83 | 1.12 | 1.10 | 0.97 | 0.46 | 0.54 | 0.39 | 75 |
| 29 | 3.43 | 1.40 | 4,951 | 5,072 | 8,558 | 3.28 | 10.52 | 0.91 | 1.14 | 1.17 | 1.01 | 0.47 | 0.53 | 0.40 | 73 |
| 30 | 3.43 | 1.38 | 4,391 | 5,050 | 8,810 | 3.86 | 10.86 | 1.09 | 1.17 | 1.23 | 1.04 | 0.49 | 0.53 | 0.42 | 75 |
| 31 | 3.39 | 1.39 | 4,483 | 5,031 | 8,832 | 3.52 | 10.19 | 0.99 | 1.18 | 1.22 | 1.07 | 0.46 | 0.55 | 0.41 | 74 |

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

N.R. = No Record.

N.C. = Not computed due to insufficient data.

f = Excess Delta conditions with fish concerns.

r = Excess delta conditions with export/inflow ratio concerns.

s = Balanced water conditions with storage withdrawals.

dm = Daily Mean

md = Mean Daily

Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP

July 2001

| Sampling Location | Sample Date 1/ | Chemical Detected | Concentration µg/l 2/ |
|--|--------------------------------|--|-----------------------------|
| North Bay Aqueduct At Barker Slough Pumping Plant | June 20, 2001 | 2,4-Dichlorophenylacetic acid (DCAA) | 0.41 |
| California Aqueduct At Banks Pumping Plant | June 20, 2001 | None Detected | |
| Delta Mendota Canal At McCabe Road | June 20, 2001 June 20, 2001 | 2,4-Dichlorophenylacetic acid (DCAA) Methyl tert-butyl ether (MTBE) | 0.375 2.20 |
| California Aqueduct Near Kettleman City (Check 21) | June 19, 2001 | 2,4-Dichlorophenylacetic acid (DCAA) | 0.52 |
| California Aqueduct At Tehachapi Afterbay (Check 41) | June 20, 2001 | 2,4-Dichlorophenylacetic acid (DCAA) | 0.31 |
| Devil Canyon Power Plant At Entrance To Santa Ana Pipeline | June 20, 2001 | None Detected | |

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

Table 35. Oroville and Delta Field Divisions Energy Data

(in kWh)

July 2001

| Date | Oroville Thermalito Complex | | Barker Slough Pumping Plant | Cordelia Pumping Plant Load | Banks Pumping Plant | | South Bay Pumping Plant Load | Del Valle Pumping Plant Load |
|-------|-----------------------------|-----------|-----------------------------|-----------------------------|---------------------|------------|------------------------------|------------------------------|
| | Generation | Load | | | Total Load | SWP Load | | |
| 1 | 1,414,368 | 6,912 | 55,440 | 38,087 | 17,856 | 17,856 | 129,350 | 202 |
| 2 | 4,696,416 | 4,608 | 47,684 | 38,654 | 165,120 | 165,120 | 147,255 | 209 |
| 3 | 6,479,136 | 3,456 | 50,330 | 38,024 | 513,216 | 513,216 | 205,250 | 230 |
| 4 | 4,437,216 | 4,032 | 57,169 | 36,659 | 1,264,704 | 1,264,704 | 251,405 | 227 |
| 5 | 7,619,616 | 2,016 | 46,760 | 37,541 | 1,277,184 | 1,277,184 | 393,405 | 8,515 |
| 6 | 7,198,560 | 0 | 45,318 | 35,686 | 1,367,424 | 1,367,424 | 495,285 | 17,361 |
| 7 | 3,119,616 | 0 | 56,763 | 38,143 | 1,404,672 | 1,404,672 | 475,710 | 18,516 |
| 8 | 913,824 | 0 | 49,924 | 35,630 | 1,683,840 | 1,683,840 | 424,715 | 16,398 |
| 9 | 5,799,744 | 0 | 40,677 | 33,999 | 2,172,864 | 2,172,864 | 470,290 | 16,304 |
| 10 | 3,229,920 | 0 | 42,658 | 34,328 | 2,532,480 | 2,532,480 | 489,935 | 13,644 |
| 11 | 5,130,720 | 8,352 | 44,898 | 36,001 | 2,546,496 | 2,546,496 | 438,510 | 9,133 |
| 12 | 6,205,248 | 891,648 | 51,681 | 39,207 | 2,503,296 | 2,503,296 | 463,270 | 11,558 |
| 13 | 6,420,384 | 1,348,416 | 43,701 | 34,804 | 2,327,040 | 2,327,040 | 486,905 | 14,886 |
| 14 | 1,036,800 | 0 | 45,752 | 33,957 | 2,386,944 | 1,792,944 | 471,530 | 14,866 |
| 15 | 1,445,184 | 0 | 45,262 | 33,635 | 2,249,856 | 1,673,856 | 460,295 | 14,882 |
| 16 | 5,277,312 | 0 | 44,485 | 34,328 | 1,570,176 | 976,176 | 475,005 | 13,878 |
| 17 | 5,763,744 | 0 | 47,271 | 35,539 | 1,877,568 | 1,283,568 | 475,455 | 12,873 |
| 18 | 6,682,464 | 0 | 42,035 | 34,160 | 2,223,744 | 1,629,744 | 424,275 | 8,907 |
| 19 | 7,660,800 | 0 | 47,453 | 35,154 | 2,191,296 | 1,597,296 | 451,530 | 10,900 |
| 20 | 5,532,192 | 0 | 47,012 | 35,945 | 2,178,816 | 1,584,816 | 463,950 | 13,045 |
| 21 | 3,896,352 | 0 | 41,664 | 34,447 | 2,399,040 | 1,367,040 | 465,675 | 13,053 |
| 22 | 744,480 | 0 | 42,861 | 31,234 | 2,437,056 | 1,405,056 | 455,160 | 13,105 |
| 23 | 5,577,408 | 0 | 45,969 | 36,155 | 2,463,360 | 1,427,360 | 487,725 | 13,041 |
| 24 | 5,074,560 | 0 | 32,893 | 30,611 | 2,259,648 | 1,665,648 | 483,840 | 13,209 |
| 25 | 6,589,728 | 765,504 | 31,150 | 33,075 | 2,450,688 | 1,856,688 | 437,850 | 8,769 |
| 26 | 7,509,888 | 755,712 | 35,749 | 32,417 | 2,416,896 | 1,822,896 | 458,440 | 11,706 |
| 27 | 7,630,848 | 748,224 | 32,865 | 34,881 | 2,469,120 | 1,875,120 | 474,575 | 14,088 |
| 28 | 1,558,368 | 0 | 33,922 | 33,418 | 2,416,704 | 1,822,704 | 469,205 | 14,125 |
| 29 | 1,259,136 | 0 | 35,049 | 33,586 | 2,372,736 | 1,778,736 | 460,835 | 14,158 |
| 30 | 5,903,424 | 0 | 34,923 | 38,087 | 2,563,200 | 1,969,200 | 464,425 | 12,816 |
| 31 | 7,458,912 | 0 | 33,593 | 37,933 | 2,456,256 | 1,862,256 | 465,640 | 12,097 |
| Total | 149,266,368 | 4,538,880 | 1,352,911 | 1,095,325 | 61,159,296 | 49,167,296 | 13,216,695 | 356,701 |

Table 36. San Luis Field Division Energy Data

(in kWh)

July 2001

| Date | Dos Amigos Pumping Plant | | Gianelli Pumping-Generating Plant | | | |
|-------|--------------------------|-------------|-----------------------------------|-------------------|------------|-------------|
| | Total Load | SWP Load 1/ | Total Generation | SWP Generation 1/ | Total Load | SWP Load 1/ |
| 1 | 2,039,616 | 1,061,616 | 2,323,008 | 1,075,008 | 8,064 | 8,064 |
| 2 | 1,709,136 | 938,136 | 2,102,688 | 1,482,688 | 11,520 | 11,520 |
| 3 | 1,972,224 | 1,201,224 | 2,494,368 | 1,378,368 | 7,488 | 7,488 |
| 4 | 2,060,208 | 1,289,208 | 2,401,632 | 1,192,632 | 7,200 | 7,200 |
| 5 | 2,075,904 | 1,304,904 | 2,500,128 | 1,012,128 | 1,152 | 1,152 |
| 6 | 1,994,400 | 1,223,400 | 2,001,888 | 513,888 | 6,624 | 6,624 |
| 7 | 1,927,296 | 1,155,296 | 1,970,208 | 606,208 | 8,928 | 8,928 |
| 8 | 2,114,208 | 1,351,208 | 1,511,424 | 891,424 | 10,656 | 10,656 |
| 9 | 1,826,064 | 1,054,064 | 1,720,512 | 914,512 | 6,624 | 6,624 |
| 10 | 1,752,624 | 1,195,624 | 1,192,896 | 262,896 | 5,472 | 5,472 |
| 11 | 1,830,960 | 1,273,960 | 564,768 | 316,768 | 10,944 | 10,944 |
| 12 | 1,710,432 | 1,153,432 | 1,407,744 | 483,744 | 9,216 | 9,216 |
| 13 | 1,678,896 | 1,121,896 | 1,002,240 | 974,240 | 12,096 | 12,096 |
| 14 | 1,549,728 | 706,728 | 603,648 | 575,648 | 13,824 | 13,824 |
| 15 | 1,453,536 | 613,536 | 0 | 0 | 1,031,040 | 1,031,040 |
| 16 | 1,222,560 | 379,560 | 1,395,360 | 611,360 | 300,384 | 300,384 |
| 17 | 1,538,640 | 695,640 | 777,024 | -6,976 | 13,248 | 13,248 |
| 18 | 1,507,968 | 664,968 | 548,928 | -11,072 | 10,656 | 10,656 |
| 19 | 1,649,520 | 806,520 | 384,192 | -7,808 | 13,536 | 13,536 |
| 20 | 1,461,456 | 618,456 | 661,536 | 276,536 | 11,808 | 11,808 |
| 21 | 1,839,744 | 996,744 | 386,208 | -5,792 | 12,672 | 12,672 |
| 22 | 1,793,088 | 905,088 | 389,088 | 4,088 | 12,672 | 12,672 |
| 23 | 1,305,072 | 804,072 | 831,168 | 831,168 | 12,384 | 12,384 |
| 24 | 1,639,296 | 1,165,296 | 440,352 | 440,352 | 11,808 | 11,808 |
| 25 | 1,845,936 | 1,371,936 | 1,050,624 | 888,624 | 8,640 | 8,640 |
| 26 | 1,912,032 | 1,438,032 | 848,160 | 740,160 | 10,368 | 10,368 |
| 27 | 1,868,688 | 1,538,688 | 1,450,080 | 1,288,080 | 6,912 | 6,912 |
| 28 | 1,750,464 | 1,180,464 | 1,245,600 | 1,245,600 | 9,216 | 9,216 |
| 29 | 1,672,848 | 1,102,848 | 0 | 0 | 16,992 | 16,992 |
| 30 | 1,675,440 | 1,184,440 | 782,208 | 296,208 | 10,080 | 10,080 |
| 31 | 1,733,472 | 1,242,472 | 721,728 | 559,728 | 200,736 | 200,736 |
| Total | 54,111,456 | 32,739,456 | 35,709,408 | 18,830,408 | 1,812,960 | 1,812,960 |

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

Table 37. San Joaquin Field Division Pumping Plant Energy Load Data

(in kWh)

July 2001

| Date | Coastal Branch | | | | | California Aqueduct | | | |
|-------|----------------|-------------|------------|-----------|-----------|---------------------|------------|------------|-------------|
| | Las Perillas | Badger Hill | Devils Den | Bluestone | Polonio | Buena Vista | Teerink | Chrisman | Edmonston |
| 1 | 37,278 | 101,944 | 66,708 | 64,116 | 66,222 | 1,379,808 | 1,427,472 | 3,214,656 | 11,640,960 |
| 2 | 29,658 | 78,496 | 66,024 | 62,478 | 64,386 | 1,122,984 | 1,137,240 | 2,435,040 | 8,812,080 |
| 3 | 35,222 | 95,232 | 58,914 | 55,404 | 58,212 | 1,158,840 | 1,158,048 | 2,471,328 | 8,843,040 |
| 4 | 29,856 | 79,824 | 62,622 | 60,840 | 60,840 | 1,304,856 | 1,239,264 | 2,716,128 | 9,686,160 |
| 5 | 41,950 | 116,648 | 94,392 | 90,108 | 91,674 | 1,250,712 | 1,229,688 | 2,587,104 | 9,387,360 |
| 6 | 36,594 | 99,808 | 49,050 | 46,584 | 50,166 | 1,206,792 | 1,167,408 | 2,500,128 | 8,959,680 |
| 7 | 41,752 | 112,368 | 48,924 | 45,846 | 48,672 | 985,752 | 945,216 | 1,989,216 | 7,004,160 |
| 8 | 34,284 | 93,400 | 68,904 | 66,510 | 67,554 | 1,437,408 | 1,490,112 | 3,259,008 | 11,636,640 |
| 9 | 38,172 | 104,296 | 58,590 | 54,252 | 57,258 | 977,328 | 1,037,376 | 2,219,328 | 8,095,680 |
| 10 | 39,004 | 106,488 | 41,094 | 39,690 | 42,696 | 1,036,368 | 991,728 | 2,109,888 | 7,474,320 |
| 11 | 40,630 | 107,024 | 78,462 | 75,348 | 76,572 | 1,141,056 | 1,123,848 | 2,379,168 | 8,673,840 |
| 12 | 39,502 | 110,728 | 70,290 | 66,618 | 68,364 | 1,233,000 | 1,166,256 | 2,453,472 | 8,668,800 |
| 13 | 35,266 | 103,000 | 68,922 | 64,980 | 66,816 | 1,167,552 | 1,181,016 | 2,530,368 | 9,296,640 |
| 14 | 39,610 | 113,392 | 59,526 | 57,096 | 59,472 | 1,044,360 | 1,022,616 | 2,193,120 | 7,647,120 |
| 15 | 34,148 | 96,824 | 51,876 | 48,690 | 51,282 | 1,367,280 | 1,468,080 | 3,282,336 | 12,255,840 |
| 16 | 32,154 | 89,296 | 52,380 | 50,328 | 52,632 | 970,560 | 979,416 | 2,081,952 | 7,255,440 |
| 17 | 42,138 | 116,656 | 88,344 | 84,510 | 84,042 | 1,076,040 | 1,049,544 | 2,245,248 | 8,236,800 |
| 18 | 38,596 | 105,056 | 68,796 | 65,502 | 67,446 | 1,103,112 | 1,102,536 | 2,375,712 | 8,331,840 |
| 19 | 35,206 | 97,184 | 78,246 | 74,628 | 75,870 | 1,133,856 | 1,081,800 | 2,330,496 | 8,367,120 |
| 20 | 36,228 | 99,264 | 68,400 | 64,854 | 66,960 | 1,018,296 | 1,046,232 | 2,256,480 | 8,033,760 |
| 21 | 47,202 | 130,024 | 78,030 | 74,052 | 74,502 | 996,984 | 938,016 | 2,028,672 | 7,651,440 |
| 22 | 35,408 | 100,032 | 60,498 | 57,420 | 60,300 | 1,456,200 | 1,556,856 | 3,452,256 | 12,354,480 |
| 23 | 33,338 | 91,144 | 58,698 | 56,142 | 58,554 | 927,432 | 966,096 | 2,071,584 | 7,516,800 |
| 24 | 38,474 | 105,640 | 71,118 | 66,978 | 69,102 | 1,124,352 | 1,109,448 | 2,397,600 | 8,557,920 |
| 25 | 36,924 | 102,392 | 57,564 | 54,882 | 57,384 | 1,233,288 | 1,249,920 | 2,689,632 | 9,570,960 |
| 26 | 38,294 | 104,688 | 66,636 | 62,244 | 65,142 | 1,204,848 | 1,201,032 | 2,552,832 | 9,198,720 |
| 27 | 35,976 | 97,760 | 65,358 | 62,046 | 64,782 | 1,206,792 | 1,197,216 | 2,558,304 | 9,090,720 |
| 28 | 41,508 | 114,768 | 61,830 | 58,338 | 61,254 | 1,051,056 | 1,072,296 | 2,347,200 | 8,310,240 |
| 29 | 43,536 | 119,560 | 63,432 | 62,334 | 63,468 | 1,055,880 | 1,085,400 | 2,390,112 | 9,030,960 |
| 30 | 29,136 | 81,968 | 56,250 | 54,684 | 55,548 | 1,027,584 | 1,026,360 | 2,248,416 | 7,941,600 |
| 31 | 38,034 | 101,512 | 57,852 | 55,620 | 58,194 | 1,201,248 | 1,198,224 | 2,629,440 | 9,475,200 |
| Total | 1,155,078 | 3,176,416 | 1,997,730 | 1,903,122 | 1,965,366 | 35,601,624 | 35,645,760 | 76,996,224 | 277,006,320 |

Table 38. Southern Field Division Energy Data

(in kWh)

July 2001

| Date | West Branch | | | East Branch | | | |
|-------|------------------------------|-----------------------------------|---|-----------------------------------|--------------------------------------|--|---|
| | Oso Pumping Plant Load | Warne Powerplant Generation | Castaic Powerplant SWP Generation | Alamo Powerplant Generation | Pearblossom Pumping Plant Load | Devil Canyon Powerplant Generation | Mojave Siphon Powerplant Generation |
| 1 | 264,544 | 3,744 | 1,200,000 | 422,912 | 2,575,152 | 2,731,008 | 298,284 |
| 2 | 305,200 | 988,560 | 1,200,000 | 271,936 | 1,506,684 | 2,592,576 | 206,388 |
| 3 | 316,624 | 1,001,736 | 1,200,000 | 279,468 | 1,451,544 | 2,579,328 | 175,098 |
| 4 | 432,768 | 857,520 | 1,200,000 | 282,856 | 1,397,712 | 2,805,792 | 165,921 |
| 5 | 425,992 | 902,016 | 1,200,000 | 281,400 | 1,448,772 | 2,675,520 | 157,962 |
| 6 | 409,976 | 853,056 | 1,200,000 | 275,660 | 1,393,188 | 2,464,416 | 174,783 |
| 7 | 324,240 | 859,392 | 1,200,000 | 205,408 | 1,046,580 | 2,708,640 | 126,756 |
| 8 | 227,080 | 124,416 | 1,200,000 | 420,868 | 2,535,300 | 2,645,088 | 295,323 |
| 9 | 336,280 | 921,816 | 1,200,000 | 127,540 | 1,317,360 | 2,516,256 | 180,012 |
| 10 | 284,704 | 731,304 | 1,200,000 | 0 | 1,186,356 | 2,940,864 | 151,179 |
| 11 | 353,528 | 931,104 | 1,200,000 | 0 | 1,356,264 | 3,029,184 | 161,973 |
| 12 | 421,400 | 965,664 | 1,200,000 | 0 | 1,349,556 | 2,566,176 | 141,918 |
| 13 | 542,192 | 1,057,968 | 1,536,000 | 0 | 1,259,448 | 2,514,048 | 152,775 |
| 14 | 297,640 | 950,328 | 1,536,000 | 0 | 1,115,652 | 2,221,152 | 149,520 |
| 15 | 374,976 | 670,176 | 1,536,000 | 0 | 2,174,340 | 2,437,632 | 220,815 |
| 16 | 318,528 | 877,176 | 1,560,000 | 0 | 1,255,692 | 2,467,008 | 152,691 |
| 17 | 417,312 | 1,048,032 | 1,560,000 | 0 | 1,023,684 | 2,374,944 | 130,242 |
| 18 | 420,336 | 1,002,528 | 1,560,000 | 0 | 1,240,716 | 2,323,776 | 145,656 |
| 19 | 415,744 | 1,081,224 | 1,560,000 | 0 | 1,230,504 | 2,319,264 | 148,680 |
| 20 | 423,192 | 1,017,936 | 1,560,000 | 0 | 1,024,200 | 2,351,808 | 118,755 |
| 21 | 382,928 | 708,552 | 1,560,000 | 0 | 891,696 | 2,204,544 | 109,746 |
| 22 | 448,784 | 236,304 | 1,560,000 | 0 | 2,127,120 | 2,358,336 | 207,039 |
| 23 | 351,064 | 1,099,800 | 1,560,000 | 0 | 1,027,728 | 2,249,568 | 158,928 |
| 24 | 448,616 | 1,072,944 | 1,560,000 | 0 | 1,111,596 | 2,389,728 | 127,932 |
| 25 | 508,088 | 1,101,312 | 1,560,000 | 0 | 1,184,304 | 2,624,832 | 142,380 |
| 26 | 465,528 | 1,096,488 | 1,560,000 | 0 | 1,477,476 | 2,499,360 | 156,534 |
| 27 | 452,200 | 1,089,000 | 1,560,000 | 0 | 1,045,368 | 2,443,488 | 139,209 |
| 28 | 420,616 | 1,100,736 | 1,560,000 | 0 | 1,081,008 | 2,417,472 | 148,617 |
| 29 | 279,776 | 77,616 | 1,560,000 | 0 | 1,882,248 | 2,548,224 | 189,357 |
| 30 | 377,720 | 994,680 | 1,560,000 | 0 | 1,066,368 | 2,688,384 | 158,340 |
| 31 | 494,648 | 1,073,304 | 1,560,000 | 0 | 1,256,184 | 2,646,816 | 144,228 |
| Total | 11,942,224 | 26,496,432 | 43,968,000 | 2,568,048 | 43,039,800 | 78,335,232 | 5,137,041 |